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NIAGARA FALLS IAP NY REVISED UNIFORM SUMMARY OF SURFACE 1/4

WEATHER OBSERVATIONS PARTS A-F(U) AIR FORCE

ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT 2..

UNCLASSIFIED

OCT 87 USAFETAC/DS-87/862

F/G 4/2

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MICROCOPY RESOLUTION TEST CHART

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USNY 725287

USAFETAC/DS-87/C62

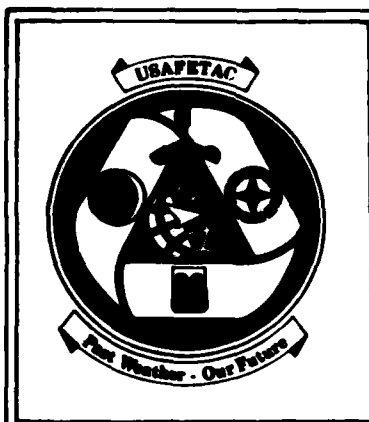
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**USAFETAC**  
**Air Weather Service (MAC)**

DTIC  
ELECT  
JAN 21



**REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS**

NIAGARA FALLS IAP NY  
N 43 06 W 078 57

MSC# 725287  
ELEV 590 FT KIAG

PARTS A - F HOURS SUMMARIZED 0000 - 2300 LST

**PERIOD OF RECORD:**

HOURLY OBSERVATIONS: JUL 77 - JUN 87

SUMMARY OF DAY DATA: JUN 51 - JUL 60,  
OCT 61 - JUL 64,  
NOV 68 - JUN 87

**FEDERAL BUILDING**

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ASHEVILLE, N.C. 28801 - 2723

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**REVIEW AND APPROVAL STATEMENT**

USAFETAC/DS-87/062 NIAGARA FALLS IAP NY (RUSSWO) Oct 1987 is approved for public release. There is no objection to unlimited distribution of this document to the public at large, or by the Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

This document has been reviewed and is approved for publication.

FOR THE COMMANDER

A handwritten signature in cursive script, appearing to read "Walter S. Burgmann", followed by a horizontal line.

WALTER S. BURGMANN  
Scientific and Technical Information Program Manager



REPORT DOCUMENTATION PAGE

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- 12 Personal Author(s):
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- 17 COSATI Codes: Field--04, Group--02
- 18 Subject Terms: \*climatology; \*weather; meteorological conditions; winds; precipitation; temperature; visibility; barometric pressure; relative humidity; sky cover; psychrometric data; ceiling; Revised Uniform Summary of Surface Weather Observations (RUSSWO); Niagara Falls IAP NY; New York; USNY725287.
- 19 Abstract: A six-part statistical data summary of surface weather observations for: Niagara Falls IAP NY. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (ADA132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWO) for complete description of contents and instructions for use.
- 20 Distribution/Availability of Abstract: Same as report.
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- 22a Name of Responsible Individual: Marianne L. Cavanaugh
- 22b Telephone: (618)256-2625
- 22c Office Symbol: USAFETAC/LDD

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**DATE PRODUCED: 30 SEP 1987**

OL-A/USAFETAC/MAC/AWS  
ASHEVILLE NC 28801

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY DATA (DAILY OBSERVATIONS): DATA COMPILED FROM ALL AVAILABLE OBSERVATIONS WHICH INCLUDES HOURLY OBSERVATIONS AND DAILY DATA RECORDED IN COLUMNS 66-73, AWS FORMS 10/10A.

DESCRIPTION OF SUMMARIES: PRECEEDING EACH PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-001, "AN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSWO).

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PART F: PRESSURE SUMMARIES

AWSMPC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF THE WMO NUMBER WITH THE ADDITION OF A SUFFIX (0 THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WMO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WMO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS OATSAY OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

STATION NO ON SUMMARY 725287		STATION NAME NIAGARA FALLS MAP NEW YORK		LATITUDE N 43 06		LONGITUDE W 078 57		FIELD ELEV (FT) 590		CALL SIGN IAG		WMO NUMBER	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			FIELD (FT)	WT. BAR.					
1	Niagara Falls MAP NY	AF	Jun 51	Mar 54	N 43 06	W 078 56	599	596	24				
2	Same	Same	Apr 54	Jun 60	Same	Same	600	Same	24				
3	Same	Same	Jul 60	Jul 60	Same	Same	590	594	24				
4	Same	FAA	Aug 60	20 Oct 61	Same	W 078 57	Same	594	24				
		AF	21 Oct 61	Dec 62	Same	Same	Same	625	24				
		AF	Jan 62	Jan 62	Same	Same	Same	Same	5-11				
		AF	Feb 62	Jul 62	Same	Same	Same	Same					
		FAA	Aug 62	Sep 62	Same	Same	Same	625	24				
5	Same	AF	Oct 62	Jul 64	Same	Same	Same	625	24				
6	Niagara IAP NY (24 Jul 67)	FAA	Aug 64	19 Nov 68	Same	Same	Same	625	24				
7		AF	20 Nov 68	Dec 70	Same	Same	Same	599	24				
8		AF	Jan 71	Jan 82	Same	Same	Same	590	24				
9	Same	AF	Feb 82	Jun 87	Same	Same	Same	590	24				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jun 51 to Mar 54	Located on roof of weather station	ML-117	None	22 ft	
2	Apr 54	Located on E end of base operations roof.	AN/GMQ-1A	None	13.5 ft	
3	Apr 55 to Feb 56	Located on W end of base operations roof.	Same	None	Same	
4	Mar 56 to Oct 58	Located on top of the operations bldg.	Same	None	30 ft	
5	Nov 58 to Feb 59	Located 200 ft NE of the end of the E-W runway.	AN/GMQ-1	RO-2	12 ft	
6	Mar 59 to Jun 60	Located 600 ft NE of end of E-W runway.	Same	Same	Same	

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## WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

### WEATHER CONDITIONS SUMMARY

1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON HOURLY OBSERVATIONS.
3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

### ATMOSPHERIC PHENOMENA SUMMARY

1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON SUMMARY OF DAY DATA.
3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

### DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET: SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS, AND/OR SLEET (ICE PELLETS).

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THEREOF.

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN 5/8 MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

**NOTES:**

1. A VALUE IN THE TABLES OF ".0" INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE
2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

HOURS (LST)	TSTMS	RAIN	FRZING	SNOW	HAIL	% OBS	FOG	SMOKE	BLOWING SNOW	DUST	% OBS	TOTAL OBS
		/OR DRIZZLE	RAIN &/OR DRIZZLE	/OR SLEET		WITH PRECIP		/OR HAZE		/OR SAND	W/OBST TO VISION	
00-02		6.5	.5	32.4		38.9	15.4	1.5	5.0		21.5	846
03-05		6.6	.6	33.3		39.7	16.7	.7	4.7		21.5	846
06-08		7.3	1.5	35.2		43.3	21.4	1.3	3.5		26.0	846
09-11		7.1	.6	32.5		39.8	24.5	8.6	4.4		34.8	846
12-14		7.6	.1	29.7		36.6	16.8	9.8	5.8		30.1	846
15-17		7.6	.4	24.5		31.1	15.0	7.0	5.8		27.1	846
18-20		7.9	.7	23.2		31.4	13.0	5.3	5.2		22.6	846
21-23		8.3	.4	24.1		36.4	13.5	2.6	4.5		20.3	846
TOTALS		7.2	.6	29.4		37.2	17.0	4.6	4.9		25.5	6768



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 75267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: MAR

MOLES (LST)	TSTMS	RAIN L/OR GRIZZLE	FRZING RAIN L/OR GRIZZLE	SNOW L/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/OR HAZE	BLOWING SNOW	DUST L/OR SAND	% OBS W/OBS TO VISION	TOTAL OBS
00-02		9.7	.5	17.4		26.7	15.3	1.7	1.1		17.1	930
03-05	.2	8.3	.4	18.9		27.0	15.4	.2	1.0		17.0	930
06-08		7.6	.4	16.0		25.9	27.2	2.0	1.2		19.2	930
09-11	.2	8.0	1.1	19.4		26.0	22.7	5.2	2.0		28.6	930
12-14		9.4	.6	14.3		23.1	14.8	4.4	1.6		19.9	930
15-17	.3	10.5	1.0	12.0		22.4	12.0	6.6	1.1		19.4	930
18-20	.2	10.9	.5	11.9		23.0	15.7	3.2	.9		18.2	930
21-23	.1	10.4	.3	12.9		22.6	15.6	2.0	.4		17.0	930
TOTALS	.1	9.3	.6	15.6		24.6	17.5	3.2	1.2		20.8	7440

STATION NUMBER: 75267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: APR

MOLES (LST)	TSTMS	RAIN L/OR GRIZZLE	FRZING RAIN L/OR GRIZZLE	SNOW L/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/OR HAZE	BLOWING SNOW	DUST L/OR SAND	% OBS W/OBS TO VISION	TOTAL OBS
00-02	.4	16.4		5.6		21.3	12.4	.4	.8		13.7	900
03-05	.3	13.4	.1	7.0		20.1	15.0	.3	.4		15.7	900
06-08	.4	12.7	.2	6.1		16.8	21.3	1.8	.6		23.4	900
09-11	.1	11.9	.2	5.0		16.6	14.1	2.9	.4		17.0	900
12-14	.2	11.1		4.3		15.2	8.0	2.0	.6	.2	10.3	900
15-17	.3	13.6		4.3		17.3	6.1	3.2	.7	.3	11.6	900
18-20	.1	11.7		4.0		14.9	9.9	3.6	.7		12.9	900
21-23	.2	12.7		5.7		17.7	9.4	1.3	.6		10.6	900
TOTALS	.3	13.0	.1	5.3		17.7	12.3	1.9	.6	.1	14.4	7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 75287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: MAY

WINDS (KTS)	TSTMS	RAIN E/OF GRIZZLE	FRZING RAIN E/OF GRIZZLE	SNOW E/OF SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OF HAZE	BLOWING SNOW	DUST E/OF SAND	% OBS W/CBSY TO VISION	TOTAL OBS
0-10	4	9.9				9.9	12.7	.3			13.0	930
11-20	6	9.7				9.7	19.4	.6			19.8	930
21-30	2	11.5		.3		11.8	22.5	6.3			27.3	930
31-40	3	11.2		.3		11.4	11.2	8.4			18.4	930
41-50	8	9.6				9.6	7.6	7.2			13.9	930
51-60	1.6	9.7		.1		9.7	6.1	6.8			12.2	930
61-70	1.0	10.1				10.1	7.6	8.5			14.9	930
71-80	1.0	10.5				10.5	8.8	2.9			10.6	930
TOTALS	7	10.3		.1		10.3	12.0	5.1			16.3	7440

STATION NUMBER: 75287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JUN

WINDS (KTS)	TSTMS	RAIN E/OF GRIZZLE	FRZING RAIN E/OF GRIZZLE	SNOW E/OF SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OF HAZE	BLOWING SNOW	DUST E/OF SAND	% OBS W/CBSY TO VISION	TOTAL OBS
0-10	1.0	7.6				7.6	13.1	3.6			16.3	900
11-20	1.2	7.4				7.4	20.8	4.2			23.9	900
21-30	.6	7.0				7.0	24.3	10.6			22.3	900
31-40	.7	7.4				7.4	10.8	14.3			23.6	900
41-50	1.8	7.0				7.6	5.3	13.4			18.3	900
51-60	1.3	8.8				8.8	5.0	15.0			19.4	900
61-70	1.8	7.3				7.3	7.1	13.9			19.8	898
71-80	2.3	8.0				8.0	10.7	5.7			15.3	897
TOTALS	1.2	7.6				7.6	12.1	10.1			21.1	7195

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	FAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBS1 TO VISION	TOTAL OBS
00-02	2.0	6.2				6.2	13.9	9.7			20.2	930
03-05	2.7	7.1				7.1	21.6	10.2			28.5	930
06-08	.6	5.8				5.8	25.3	20.0			40.2	930
09-11	1.0	5.3				5.3	9.0	23.1			30.5	930
12-14	1.2	6.2				6.2	4.9	18.4			21.6	930
15-17	1.9	4.5				4.5	3.9	18.7			21.4	930
18-20	1.8	4.7				4.7	4.6	19.2			23.2	930
21-23	1.9	6.0				6.0	8.7	11.4			17.7	930
TOTALS	1.6	5.7				5.7	11.5	16.3			25.4	7440

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: AUG

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	FAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBS1 TO VISION	TOTAL OBS
00-02	1.7	7.0				7.0	20.2	7.0			23.5	930
03-05	2.8	7.5				7.5	26.2	5.4			28.2	930
06-08	1.7	6.9				6.9	33.7	15.6			43.4	930
09-11	1.3	5.7				5.7	12.9	23.1			31.6	930
12-14	1.5	6.8				6.8	5.5	22.0			25.3	930
15-17	1.2	6.1				6.1	5.1	19.2			22.9	930
18-20	1.6	6.5				6.5	7.5	19.1			24.8	930
21-23	1.7	6.8				6.8	13.7	11.4			21.4	930
TOTALS	1.7	6.7				6.7	15.6	15.4			27.6	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV

HOURLS (LST)	TSTMS	RAIN E/OF DRIZZLE	FRZING RAIN E/OF DRIZZLE	SNOW E/OF SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OF HAZE	BLOWING SNOW	DUST E/OF SAND	% OBS W/CBSI TO VISION	TOTAL OBS
00-02		14.0	.6	8.6		22.2	13.1	.6	.1		13.2	900
03-05	.1	14.6	.3	8.6		22.9	12.8	.3	.6		13.7	900
06-08	.1	12.9	.6	8.3		21.6	17.8	1.9	.8		19.4	900
09-11		12.8	.6	9.9		22.9	18.6	5.3	.9		23.3	900
12-14	.1	16.3	.6	8.6		24.4	15.7	4.8	.6		20.8	900
15-17		21.4	.4	6.4		27.4	18.1	4.8	.6		23.1	900
18-20	.3	18.7	.1	7.3		25.9	13.4	1.6			15.0	900
21-23		15.9	.2	7.8		22.9	11.7	1.6			13.0	900
TOTALS	.1	15.8	.5	8.2		23.8	15.2	2.6	.5		17.7	7200

STATION NUMBER: 705267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC

HOURLS (LST)	TSTMS	RAIN E/OF DRIZZLE	FRZING RAIN E/OF DRIZZLE	SNOW E/OF SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OF HAZE	BLOWING SNOW	DUST E/OF SAND	% OBS W/CBSI TO VISION	TOTAL OBS
00-02		9.2	.5	24.2		33.8	12.0	.3	4.3		16.5	930
03-05		10.1	.9	23.7		33.9	13.2		2.7		15.9	930
06-08	.1	11.4	.9	23.5		34.8	15.6	.6	4.2		20.1	930
09-11		11.6	1.1	26.0		36.7	21.1	3.4	3.4		27.5	930
12-14		11.4	1.2	25.6		36.9	17.3	3.4	4.6		24.8	930
15-17		11.5	1.3	24.9		36.1	19.9	4.1	4.7		28.0	930
18-20	.1	10.5	1.2	24.1		34.4	14.8	.6	4.0		19.0	930
21-23		9.2	1.5	23.8		33.7	14.3	.5	4.2		18.6	930
TOTALS	.0	10.5	1.1	24.5		35.0	16.0	1.7	4.0		21.3	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-87  
MONTH: ALL

MONTH	HOURS (LST)	TSMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OP DRIZZLE	SNOW E/OR SLEET	WIND GUST	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBS TO VISION	TOTAL OBS
JAN	ALL		4.9	1.3	43.1		48.0	14.7	3.4	7.8		24.8	7440
FEB			7.2	.6	29.9		37.2	17.0	4.6	4.9		25.5	6768
MAR		.1	9.3	.6	15.6		24.6	17.5	3.2	1.2		20.8	7440
APR		.3	13.0	.1	5.3		17.7	12.3	1.9	.6	.1	14.4	7200
MAY		.7	10.3		.1		10.3	12.0	5.1			16.3	7440
JUN		1.3	7.0				7.6	12.1	10.1			21.1	7195
JUL		1.6	5.7				5.7	11.5	16.3			25.4	7440
AUG		1.7	6.7				6.7	15.6	15.4			27.6	7440
SEP		1.4	9.9				9.9	15.9	7.8			22.0	7200
OCT		.2	12.2		.2		12.4	14.0	2.9			16.2	7440
NOV		.1	15.6	.5	5.2		23.8	15.2	2.6	.5		17.7	7200
DEC		.0	10.5	1.1	24.5		35.0	16.0	1.7	4.0		21.3	7440
TOTALS		.6	9.4	.4	10.6		19.9	14.5	6.3	1.6	.0	21.1	87643

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 66-87  
MONTH: ALL

MONTH	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
JAN	.7	26.6	7.4	91.2		89.3	45.6	49.9	25.0		79.0	957
FEB	.7	27.3	4.8	71.9		82.0	51.1	55.0	19.7		79.6	874
MAR	3.4	38.5	4.5	50.1	.4	69.3	48.3	45.4	8.7		68.1	950
APR	8.6	52.4	.2	18.9	.5	60.2	44.5	44.9	1.5		63.1	925
MAY	10.4	52.8		1.6	.8	52.3	45.6	53.0			65.5	951
JUN	19.2	49.6			.8	48.9	47.9	60.0			68.4	942
JUL	18.7	43.9			.5	43.2	48.7	68.6			74.4	930
AUG	20.2	46.1			.7	46.1	56.9	68.0			74.7	868
SEP	14.0	48.4		.1	.2	48.9	52.3	59.4			71.5	840
OCT	4.4	48.8		4.5	.0	51.1	45.5	51.9			65.6	902
NOV	2.2	53.6	1.2	34.2	.4	71.9	48.6	47.1	3.8		69.1	910
DEC	.9	36.4	8.4	68.2		84.7	49.7	47.4	15.5		75.1	960
TOTALS	8.6	43.8	2.2	27.6	.4	62.3	48.7	54.2	6.2		71.2	11009

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#### PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

##### PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF ".0" IN THESE TABLES INDICATES LESS THAN .05% WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

##### EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATIONS COUNTS.

AN ASTERISK "\*" PRINTED IN THE TABLES INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH IS MISSING).

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCURRENCES, ZEROS ARE DISPLAYED IN THE TABLES:

EXTREME DAILY PRECIPITATION: ".00" EQUALS NONE FOR THE MONTH (HUNDREDTHS)

EXTREME DAILY SNOWFALL: ".0" EQUALS NONE FOR THE MONTH (TENTHS)

EXTREME DAILY SNOW DEPTH: "0" EQUALS NONE FOR THE MONTH (WHOLE INCHES)

##### TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "\*" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 66-87

AMOUNTS IN INCHES

MONTH	NONE	TRACE	.01	.02 TO .05	.06 TO .10	.11 TO .25	.26 TO .50	.51 TO 1.00	1.01 TO 2.50	2.51 TO 5.00	5.01 TO 10.00	10.01 TO 20.00	OVER 20.00	2 DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS		
																MEAN	GREATEST	LEAST
JAN	10.6	30.0	7.1	16.3	11.7	16.2	5.7	2.0	.4					59.4	950	2.45	4.62	1.22
FEB	18.2	27.8	7.3	15.8	9.9	11.7	5.5	3.1	.6	.1				54.0	848	2.33	4.54	.56
MAR	30.0	25.1	5.1	10.1	6.9	10.6	7.1	4.5	.6					44.9	930	2.80	4.96	.75
APR	39.1	19.5	3.2	8.3	6.7	9.9	7.9	5.7	.3					42.0	900	2.91	4.72	1.05
MAY	47.4	15.9	3.0	8.1	4.5	8.0	7.4	4.5	1.2					36.7	930	2.92	6.47	.70
JUN	51.1	16.0	2.4	6.3	5.1	7.3	6.6	3.5	1.5	.1				32.9	918	2.78	4.86	.23
JUL	56.7	14.7	2.6	5.6	4.5	5.4	4.0	4.8	1.6					26.6	910	2.59	5.78	TRACE
AUG	53.5	14.4	3.5	5.4	4.0	6.2	5.1	5.3	2.2	.5				32.1	868	3.61	8.96	.79
SEP	50.8	15.7	3.3	5.7	4.8	7.4	5.8	5.1	1.3	.2				33.7	840	3.09	7.90	1.06
OCT	49.0	10.6	3.1	6.1	5.5	8.3	5.5	4.2	1.2					34.4	902	2.77	7.18	.26
NOV	27.8	22.8	5.6	11.3	6.2	11.4	9.9	3.4	1.5					49.4	909	3.23	7.54	1.08
DEC	15.2	27.0	5.1	16.8	10.5	11.7	9.6	3.9	.4					57.9	961	3.15	4.74	1.09
ANN	37.4	23.4	4.3	9.6	6.7	9.5	6.7	4.2	1.1	.1				42.2	10866	34.63		

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 68-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
51						*.67	.86	.47	1.08	1.18	1.55	.51	
52	.55	.59	.95	.63	.96	.13	1.05	1.43	.94	.13	.59	.80	1.43
53	.40	.40	2.30	.60	.86	.21	1.54	2.01	1.74	.29	.67	.91	2.30
54	.50	3.13	1.00	.78	.38	.77	.15	2.79	.64	2.42	1.03	.55	3.13
55	.34	.58	1.03	.69	1.02	.63	1.40	1.84	.85	1.55	.37	.41	1.84
56	.62	.70	.63	1.13	.95	.22	.81	2.60	.70	.51	1.01	.83	2.60
57	1.41	.73	.83	.98	1.86	2.52	.93	.22	.96	.68	.48	.97	2.52
58	.76	.94	.15	.84	.69	.49	.40	1.72	.61	.34	.64	.20	1.72
59	1.35	1.01	.67	.92	.22	.66	.68	3.24	2.40	.60	.46	.87	3.24
60	.36	.91	.45	.47	.88	.96	.67						
61										*.21	.73	.71	
62	*.80					*TRACE				*.63	*.54	1.10	
63	*.36	.17	.69	1.60	.70	.78	.43	1.86	.36	.21	1.54	.24	1.86
64	.64	.33	1.04	.95	1.12	.55	*.89						
68											*1.37	.77	
69	1.10	.22	.43	.73	1.10	.82	1.20	.86	.59	.35	.76	.79	1.20
70	.40	.61	.67	.97	.80	1.64	1.09	1.58	.58	.68	1.03	.69	1.64
71	.27	.51	.34	.52	.48	1.96	2.01	2.28	.54	.96	.44	.77	2.28
72	.27	1.46	.95	.54	1.12	1.04	.45	.98	1.09	1.09	.63	.54	1.46
73	.30	.62	1.32	.88	.54	1.37	.71	.71	.88	1.05	1.60	.92	1.60
74	.41	.94	.63	.96	1.24	1.74	1.05	1.12	.57	.32	1.23	1.11	1.74
75	.53	.64	.87	.45	.57	1.32	.60	1.53	.80	.72	.46	.72	1.53
76	.52	.56	.69	1.18	.96	1.02	1.22	.40	.73	.59	.27	.35	1.22
77	.46	.16	.42	.92	.64	.60	.65	.77	2.53	.72	1.18	1.00	2.53
78	.75	.39	.77	.71	.76	1.31	.67	1.70	1.08	.87	.43	.71	1.70
79	.67	.28	.30	.67	.74	.57	1.51	.63	4.36	.91	.51	.79	4.36
80	.77	.29	1.12	.86	.55	1.08	1.29	.57	.77	1.88	.46	.65	1.88
81	.14	1.02	.52	.63	.87	1.90	1.37	.60	.83	.73	1.07	.49	1.90
82	1.20	.45	.41	.71	.77	.91	.58	.87	.48	.45	.95	.72	1.20
83	.19	.52	.77	.43	.57	.74	1.04	1.03	.71	1.72	.59	1.20	1.72

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 68-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
94	.23	1.64	.60	.47	1.37	1.28	.56	.90	1.19	.22	.42	.88	1.64
85	.67	1.07	1.11	.26	1.23	.86	.44	.79	.30	1.08	1.66	.54	1.66
86	.25	.55	.43	.93	1.63	.73	1.62	.55	1.54	.62	.99	1.30	1.63
87	.34	.25	.66	.57	.56	1.60							
MEAN	.569	.723	.758	.765	.871	1.015	.954	1.288	1.066	.824	.819	.743	1.989
S.D.	.335	.579	.402	.271	.360	.563	.427	.783	.838	.543	.408	.263	.727
TOTAL OBS	450	848	930	900	930	518	910	868	840	902	909	961	10866

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 68-87

TOTAL MONTHLY PRECIPITATION IN INCHES													
	-M-O-N-T-H-S-												ALL
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MONTHS
51						*2.09	4.09	1.09	2.38	1.65	6.06	3.41	
52	4.13	1.98	2.81	2.10	3.11	.23	1.84	4.32	1.81	.26	1.86	2.86	27.31
53	2.27	1.58	4.88	2.21	4.02	.60	3.63	4.85	3.94	.49	2.53	2.07	33.07
54	2.20	4.10	4.49	3.79	1.06	3.04	.55	8.96	2.07	6.77	3.57	3.81	44.41
55	1.93	2.07	3.92	3.00	2.27	.74	2.23	5.46	2.30	7.18	2.07	2.74	35.91
56	2.66	3.34	3.36	4.55	6.47	.47	3.59	7.38	3.13	.97	2.13	2.86	40.61
57	4.62	1.91	1.85	4.72	4.78	4.01	3.49	.79	3.03	1.33	2.33	4.04	36.90
58	3.12	4.12	.75	2.34	1.46	1.11	2.03	2.87	2.86	1.03	2.56	1.09	25.34
59	3.88	3.92	3.22	2.48	.70	1.50	1.42	4.48	3.13	4.54	2.30	3.73	35.30
60	2.37	4.54	2.00	1.64	5.08	2.15	1.48						
61													
62	*2.65						*TRACE			*.39	2.44	2.77	
63	*1.70	.56	1.81	2.76	1.79	1.46	3.50	6.00	1.06	*2.18	*1.12	2.42	
64	1.77	1.33	3.50	3.61	2.98	1.75	*.97			.44	5.03	1.73	*27.93
68													
69	2.76	.60	1.56	3.98	4.06	2.92	3.23	1.06	1.11	1.99	3.47	3.10	29.84
70	1.91	2.34	2.15	2.19	2.89	4.28	2.64	4.41	3.29	3.34	3.30	3.17	35.91
71	1.45	2.74	2.17	1.46	1.48	4.01	3.16	3.90	1.55	2.25	2.10	3.57	29.86
72	1.99	3.47	4.78	2.77	3.02	4.32	1.61	5.23	3.71	3.69	3.27	3.46	41.32
73	1.30	1.95	4.29	4.24	3.02	4.59	1.78	1.50	1.78	4.18	4.79	4.20	37.62
74	2.59	2.37	3.27	4.02	4.47	4.31	1.99	2.53	2.32	1.41	4.43	2.44	36.15
75	1.44	2.61	2.62	1.48	2.27	4.62	1.32	4.98	2.52	2.17	2.66	3.51	32.20
76	2.87	2.26	4.96	3.32	4.09	4.86	3.94	1.01	2.34	2.42	1.08	2.29	35.44
77	1.76	.99	2.35	3.09	2.02	2.12	2.71	4.09	7.90	2.10	5.05	4.71	38.89
78	3.33	1.62	1.73	1.39	2.32	2.38	1.90	3.40	5.57	3.72	1.52	2.05	30.93
79	2.94	1.48	1.70	3.56	1.87	1.58	2.64	3.49	5.60	4.15	2.86	2.91	34.78
80	1.71	1.45	3.21	3.75	1.43	3.74	3.02	2.28	3.63	4.11	2.17	2.94	33.44
81	1.63	4.30	1.74	3.63	2.58	4.30	5.78	2.14	3.60	3.19	2.90	3.97	39.76
82	4.33	1.46	2.44	2.81	3.41	3.59	1.72	2.84	2.01	1.37	4.92	3.39	34.30
83	1.32	1.24	2.75	2.56	3.00	2.47	2.30	3.37	1.86	4.97	3.93	4.74	34.51

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 68-87

TOTAL MONTHLY PRECIPITATION IN INCHES													
YEAR	-M-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
84	1.22	3.95	1.83	2.41	4.68	4.06	1.37	2.74	4.37	.55	2.29	3.20	32.67
85	4.47	2.78	3.75	1.05	2.82	2.44	1.86	2.71	1.21	4.26	7.54	3.64	38.53
86	1.46	2.07	2.20	3.91	2.95	2.61	4.16	3.10	6.43	2.89	2.62	3.86	38.46
87	1.69	.72	2.04	2.36	1.39	2.93							
MEAN	2.452	2.329	2.804	2.913	2.916	2.779	2.586	3.606	3.090	2.765	3.234	3.154	35.145
S.D.	1.030	1.166	1.119	.999	1.340	1.405	1.135	1.929	1.653	1.832	1.464	.628	4.387
TOTAL OBS	950	848	930	906	930	418	910	868	840	902	909	561	10866

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 66-87

AMOUNTS IN INCHES																		
MONTH	NONE	TRACE	0.1	0.5	1.5	2.5	3.5	4.5	6.5	10.5	15.5	25.5	OVER	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS		
			TO 0.4	TO 1.4	TO 2.4	TO 3.4	TO 4.4	TO 6.4	TO 10.4	TO 15.4	TO 25.4	TO 50.4	50.4			MEAN	GREATEST	LEAST
JAN	18.1	33.2	17.6	18.6	5.7	2.7	1.9	.9	.9	.1				48.7	949	16.3	40.9	2.9
FEB	28.4	29.2	18.8	13.1	4.8	2.1	1.4	1.3	.7		.1			42.3	848	14.4	39.0	2.4
MAR	49.2	25.2	11.6	8.2	2.2	1.5	.6	.9	.6					25.6	929	5.0	24.4	1.1
APR	80.9	11.0	3.3	2.8	1.0	.3	.4	.1						8.0	897	2.6	12.1	TRACE
MAY	98.3	1.6	.1											.1	960	TRACE	.4	.0
JUN	100.0														948	.0	.0	.0
JUL	100.0														934	.0	.0	.0
AUG	100.0														868	.0	.0	.0
SEP	99.9	.1													840	TRACE	TRACE	.0
OCT	95.5	4.5		.3	.1	.1								.6	903	.2	2.9	.0
NOV	66.1	19.3	6.1	5.1	1.3	.4	.8	.6	.4					14.6	909	6.0	25.8	TRACE
DEC	31.1	29.4	14.5	12.6	5.7	2.5	1.6	1.7	.9					39.4	961	17.0	53.1	2.1
ANN	72.5	12.7	6.0	5.1	1.7	.8	.6	.5	.3	.7	.0			14.9	10946	67.5		

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 68-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
51						.0	.0	.0	.0	.0	.0	.0	4.1
52	2.3	3.6	1.8	TRACE	.0	.0	.0	.0	.0	TRACE	.0	.0	8.0
53	3.5	2.7	1.0	*1.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4
54	3.1	3.0	8.8	*.1	*.0	.0	.0	.0	.0	TRACE	.1	.0	8.8
55	2.7	2.4	3.0	.1	.0	.0	.0	.0	.0	TRACE	.0	.0	4.5
56	6.7	6.9	*6.5	2.1	TRACE	.0	.0	.0	TRACE	.0	.0	.0	6.9
57	6.7	4.3	3.0	3.0	.0	.0	.0	.0	.0	TRACE	.9	.0	6.7
58	7.6	9.4	1.5	1.0	.0	.0	.0	.0	.0	.0	.0	.0	9.4
59	4.3	4.3	6.7	.7	TRACE	.0	.0	.0	.0	TRACE	.0	.0	6.7
60	2.6	9.1	4.5	.3	.0	.0	.0						
61										*.0	.3	.0	7.1
62	*8.0				.0	.0	*.0			*2.5	1.3	.0	3.8
63	*3.6	1.7	1.0	.7	.4	.0	.0	.0	.0	.0	3.0	.0	*3.6
64	6.4	3.2	6.0	3.1	.0	.0	*.0						
68											*.5	3.2	
69	2.5	1.3	2.2	2.4	TRACE	.0	.0	.0	.0	2.3	9.6	.0	9.6
70	6.5	6.4	1.3	.5	.0	.0	.0	.0	.0	TRACE	.9	.0	6.5
71	1.9	5.1	3.4	1.2	.0	.0	.0	.0	.0	.0	2.3	.0	7.0
72	2.1	4.5	3.4	4.4	.3	.0	.0	.0	.0	1.2	5.0	.0	5.4
73	1.7	2.1	5.2	.7	.0	.0	.0	.0	.0	TRACE	2.4	.0	5.2
74	7.9	4.3	10.4	2.0	TRACE	.0	.0	.0	.0	TRACE	5.4	.0	10.4
75	.9	2.1	2.0	4.2	.0	.0	.0	.0	.0	.0	2.1	.0	5.8
76	7.9	.8	6.5	.1	TRACE	.0	.0	.0	.0	TRACE	6.9	.0	6.9
77	4.6	.8	4.2	.7	TRACE	.0	.0	.0	.0	TRACE	1.2	.0	8.4
78	10.5	7.8	.7	1.5	TRACE	.0	.0	.0	.0	TRACE	4.2	.0	10.5
79	5.6	8.4	1.9	3.7	.0	.0	.0	.0	.0	TRACE	TRACE	.0	8.4
80	4.4	2.9	4.8	.3	.0	.0	.0	.0	.0	TRACE	1.3	.0	4.8
81	1.9	2.2	2.8	TRACE	.0	.0	.0	.0	.0	TRACE	.5	.0	5.0
82	7.3	5.8	2.7	5.7	.0	.0	.0	.0	.0	.0	1.5	.0	7.3
83	1.1	1.8	4.3	.5	TRACE	.0	.0	.0	.0	TRACE	1.8	.0	4.3

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 705287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 66-87

24 HOUR AMOUNTS IN INCHES													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
94	2.3	16.4	2.7	.2	TRACE	.0	.0	.0	.0	.0	1.2	3.9	16.4
95	4.9	3.4	3.1	1.5	.0	.0	.0	.0	.0	.0	4.0	9.6	9.6
96	5.8	6.4	4.7	1.2	.0	.0	.0	.0	.0	.0	4.3	.7	6.4
97	6.8	4.2	7.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	4.54	4.58	3.83	1.51	.01	.00	.00	.00	TRACE	.13	3.19	4.91	7.51
S.D.	2.350	3.264	2.414	1.530	.077	.100	.000	.000	.000	.483	2.585	2.045	2.762
TOTAL OBS	949	848	929	897	960	948	934	868	840	903	909	961	10946

NOTE \* (BASED ON LESS THAN FULL MONTHS)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 705287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 68-87

TOTAL MONTHLY SNOWFALL IN INCHES													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
51						*.0	.0	.0	.0	.0	25.8	17.7	
52	15.4	8.0	3.7	TRACE	.0	.0	.0	.0	.0	TRACE	*.6	16.8	*45.5
53	15.3	10.4	2.7	*1.2	.0	.0	.0	.0	.0	.0	13.5	7.7	*45.8
54	13.5	7.5	21.2	*.1	*.0	.0	.0	.0	.0	TRACE	.1	21.1	*63.5
55	12.0	9.1	4.6	.1	.0	.0	.0	.0	.0	TRACE	6.1	24.7	56.6
56	23.7	18.1	*19.4	4.8	TRACE	.0	.0	.0	TRACE	.0	7.4	15.9	*89.3
57	30.8	8.4	6.9	5.7	.0	.0	.0	.0	.0	TRACE	1.6	5.8	59.2
58	27.7	39.0	7.3	1.2	.0	.0	.0	.0	.0	.0	6.5	10.2	91.9
59	21.8	17.2	24.4	.7	TRACE	.0	.0	.0	.0	TRACE	7.3	13.2	84.6
60	12.7	32.2	15.8	.7	.0	.0	.0						
61										*.0	.4	17.0	
62	*13.3				.0	.0	*.0			*2.5	1.8	12.5	
63	*17.7	5.2	2.6	.7	.4	.0	.0	.0	.0	.0	3.0	16.3	*45.9
64	11.0	12.5	10.8	3.5	.0	.0	*.0						
68											*.5	11.0	
69	7.4	3.9	4.9	2.6	TRACE	.0	.0	.0	.0	2.9	19.7	14.5	55.9
70	22.0	15.6	6.0	.5	.0	.0	.0	.0	.0	TRACE	1.9	20.0	66.0
71	10.1	16.0	15.6	1.3	.0	.0	.0	.0	.0	.0	7.5	12.9	65.4
72	16.3	20.2	8.3	5.6	.0	.0	.0	.0	.0	2.2	10.1	15.0	77.7
73	2.9	11.0	11.0	1.1	.0	.0	.0	.0	.0	TRACE	3.5	21.8	51.3
74	16.8	20.7	16.9	5.5	TRACE	.0	.0	.0	.0	TRACE	9.7	15.0	88.6
75	3.6	11.7	4.0	10.4	.0	.0	.0	.0	.0	.0	4.3	20.4	54.4
76	25.5	2.4	14.4	.1	TRACE	.0	.0	.0	.0	TRACE	9.0	25.6	77.0
77	24.6	5.6	10.2	.8	TRACE	.0	.0	.0	.0	TRACE	4.3	31.4	76.9
78	40.9	29.2	1.1	1.5	TRACE	.0	.0	.0	.0	TRACE	5.6	6.5	84.8
79	33.0	22.9	3.6	6.6	.0	.0	.0	.0	.0	TRACE	TRACE	12.8	78.9
80	7.7	12.1	13.4	.5	.0	.0	.0	.0	.0	TRACE	3.3	20.2	57.2
81	17.5	7.7	9.6	TRACE	.0	.0	.0	.0	.0	TRACE	.8	26.9	62.5
82	28.9	12.7	7.8	12.1	.0	.0	.0	.0	.0	.0	1.6	6.4	71.5
83	7.6	3.6	6.2	.9	TRACE	.0	.0	.0	.0	TRACE	5.8	17.7	41.8

NOTE \* (BASED ON LESS THAN FULL MONTHS)

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GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 68-87

TOTAL MONTHLY SNOWFALL IN INCHES													
YEAR	-M-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
84	9.7	28.7	10.2	.2	TRACE	.0	.0	.0	.0	.0	1.2	8.6	58.6
85	39.3	15.8	3.8	2.7	.0	.0	.0	.0	.0	.0	5.1	53.1	119.8
86	16.2	16.4	5.5	2.5	.0	.0	.0	.0	.0	.0	6.7	2.1	49.4
87	20.1	8.3	8.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	18.34	14.40	9.00	2.60	.01	.00	.00	.00	TRACE	.18	5.99	16.99	69.55
S.D.	10.022	8.977	5.745	1.153	.073	.000	.000	.000	.000	.675	5.784	9.433	17.016
TOTAL OBS	549	846	929	897	960	548	934	568	840	903	909	561	10946

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 66-87

MONTH	AMOUNTS IN INCHES													OVER 120	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS		
	NONE	TRACE	1	2	3	4	7	13	25	37	49	61	MEAN				GREATEST	LEAST	
						TO 6	TO 12	TO 24	TO 36	TO 48	TO 60	TO 120							
JAN	12.9	15.1	12.2	15.6	9.4	18.3	15.3	6.1							72.0	960			
FEB	14.7	13.5	11.6	11.8	11.6	18.2	11.4	6.3	.4						71.8	876			
MAR	44.6	25.7	18.3	5.2	1.3	4.4	3.0	3.2	.2						29.7	961			
APR	89.2	6.2	2.0	1.5	.4	.9	.2								4.5	930			
MAY	99.8	.1	.1												.1	961			
JUN	100.0															948			
JUL	100.0															939			
AUG	100.0															868			
SEP	100.0															840			
OCT	99.7	.1														903			
NOV	31.4	5.7	4.7	1.4	1.2	2.0	.5								9.9	910			
DEC	23.4	18.5	12.5	9.7	7.0	12.1	6.3	1.3							48.6	961			
ANNU	73.6	7.7	4.4	3.3	2.7	4.7	3.1	1.4	.1						19.7	11057			

GLOBAL CLIMATOLOGY BRANCH  
USAFETAG  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH  
FROM DAILY OBSERVATIONS;

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 68-87

YEAR	DAILY SNOW DEPTH IN INCHES -M-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
51						*0	0	0	0	0	12	12	
52	6	4	2	0	0	0	0	0	0	TRACE	1	6	6
53	3	4	3	1	0	0	0	0	0	0	7	3	7
54	5	4	10	7	0	0	0	0	0	0	0	5	10
55	5	7	3	0	0	0	0	0	0	0	4	10	10
56	7	7	9	TRACE	0	0	0	0	0	0	3	5	9
57	11	5	3	3	0	0	0	0	0	0	1	2	11
58	10	27	2	TRACE	0	0	0	0	0	0	5	6	27
59	9	6	6	1	0	0	0	0	0	0	5	5	9
60	7	17	24	TRACE	0	0	0						
61										*C	TRACE	8	
62	13	9	2	2	0	0	0			*0	1	4	
63	*16	14	5	0	1	0	0	0	C	0	3	10	*16
64	11	7	6	1	0	0	*0						
68											*1	2	
69	7	4	2	2	0	0	0	0	0	0	10	6	10
70	17	10	1	0	0	0	0	0	0	0	1	9	17
71	4	11	6	TRACE	0	0	0	0	0	0	2	5	11
72	7	7	4	4	0	0	0	0	0	TRACE	5	6	7
73	3	6	8	TRACE	0	0	0	0	0	0	3	7	8
74	10	9	11	1	0	0	0	0	0	0	4	7	11
75	1	6	1	6	0	0	0	0	0	0	1	9	9
76	11	3	3	TRACE	0	0	0	0	0	TRACE	1	13	13
77	19	21	5	1	0	0	0	0	0	0	3	19	21
78	23	21	15	TRACE	TRACE	0	0	0	0	0	3	6	23
79	9	27	3	6	0	0	0	0	0	0	0	7	27
80	5	6	5	TRACE	0	0	0	0	0	0	1	8	8
81	15	5	3	0	0	0	0	0	0	0	TRACE	9	15
82	13	13	4	6	0	0	0	0	0	0	1	6	13
83	7	3	6	TRACE	0	0	0	0	0	0	2	6	7

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 68-87

YEAR	DAILY SNOW DEPTH IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S-		AUG	SEP	OCT	NOV	DEC	
						JUN	JUL						
64	6	21	25	TRACE	0	0	0	0	0	0	1	5	25
85	14	11	2	1	0	0	0	0	0	0	4	16	16
86	8	7	5	1	0	0	0	0	0	0	4	1	8
87	8	7	1	7	0	0	0						
MEAN	9.1	9.9	6.0	1.6	.0	.0	.0	.0	.0	TRACE	2.9	7.2	13.0
S.D.	4.567	6.909	5.902	2.348	.179	.000	.000	.000	.000	.000	2.852	3.694	6.475
TOTAL OBS	960	876	961	930	961	948	939	968	840	903	910	961	11057

NOTE \* (BASED ON LESS THAN FULL MONTHS)

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## **SURFACE WIND SUMMARIES**

### **EXTREME VALUES OF PEAK WINDS**

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS COMBINED.

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968.  
COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TENS OF DEGREES.

AN ASTERISK "\*" IN THE TABLES INDICATES THAT THE VALUE IS BASED ON AN INCOMPLETE MONTH OF THREE OR MORE MISSING DAYS.

MEANS AND STANDARD DEVIATIONS PRESENTED DO NOT INCLUDE INCOMPLETE MONTHS. FOUR OR MORE MONTHS ARE NEEDED TO COMPUTE THESE STATISTICS AND INCOMPLETE MONTHS ARE NOT INCLUDED.

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

### **BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS**

DATA DERIVED FROM HOURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IN GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED)..

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITY IS EQUAL TO OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF ".0" IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 58-64

YEAR	DAILY PEAK GUSTS IN KNOTS												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
58											SW 33	SW 30	
59	SW 58	SSW 42	WSW 60	SW 39	WSW 34	W 40	WSW 44	SW 42	WSW 26	W 34	SW 32	WSW 36	WSW 60
60	W 41	SW 37	S 38	WSW 32	SW 27	WSW 30	WSW 32						
61										SSW 33	SSE 31	SSW 45	
62	SW 45		SW 40	SW 42	WSW 42	SW 32	NW 34			SSW 39	NE 38	SW 39	
63	SSW 44	SW 51	SSW 55	WNW 51	SSW 49	W 42	W 32	W 35	SW 38	SSW 34	SW 56	SW 40	SW 56
64	WSW 55	SSW 44	WSW 56	SW 33	SW 56	SW 42	WNW 48						
MEAN	47.7	39.5	49.0	41.0	40.8	34.0	36.7	38.5	32.0		33.7	38.5	
S.D.				7.874	12.872							6.245	
TOTAL OBS	156	105	140	140	152	142	122	62	60	65	121	152	1397

NOTES \* (BASED ON LESS THAN FULL MONTHS)

% (BASED ON LESS THAN FULL MONTHS AND \*100 KNOTS)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	.9	1.9	.6							3.5	8.3
NNE	.1	.6	.6								1.4	6.4
NE	.1	.6	.3	.1	.3						1.5	9.2
ENE	.5	1.2	.9	.8	.3	.1					3.8	8.9
E	.3	4.0	3.7	2.3	.2						10.4	8.2
ESE	.1	.9	1.3	.1							2.3	6.8
SE	.1	.6	.6								1.4	6.2
SSE	.2	.6	.2								1.1	5.4
S	.3	2.2	3.0	1.5	.2						7.2	8.3
SSW	.1	.6	1.9	1.0	.1	.3					4.1	10.3
SW	.3	2.0	2.0	2.8	1.0	.2		.1			8.5	11.0
WSW	.3	.9	3.2	6.7	2.0	1.0	.3				14.4	13.6
W	.3	1.6	6.3	10.4	2.9	.4	.2				22.4	12.5
WNW	.1	1.1	1.6	1.8	.5						5.2	10.5
NW		1.0	1.9	1.5	.3						4.7	9.8
NNW		1.6	1.8	1.7							5.2	9.0
VARIABLE												
CALM	////////////////////											3.0
TOTALS	7.2	20.7	31.5	31.7	8.0	2.0	.5	.1			100.0	10.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.3	1.2	.6	1.2								3.3	8.2
NNE		.3	.4	.3								1.1	8.8
NE		.5	.3		.2	.1						1.2	9.7
NNE	.2	1.5	1.4	.5	.3	.3						4.3	9.0
E	1.3	2.9	2.8	2.4	.2							9.6	7.9
ESE		.8	.9	.3								1.9	7.8
SE	.4	1.2	.3	.2								2.2	6.1
SSE		.4	.6	.1								1.2	7.5
S		2.6	2.3	2.4	.1							7.3	9.0
SSW		1.2	1.3	2.0	.2	.3						5.1	11.2
SW		1.7	2.3	3.2	.9	.2						8.3	11.2
WSW	.2	1.2	2.5	7.5	2.7	1.2	.1					15.4	13.7
W	.2	1.4	5.9	7.6	2.5	.3	.1					18.1	12.2
WNW	.1	1.1	2.4	2.3	.5							6.3	10.4
NW	.3	.2	2.6	2.7	.2	.1						6.7	10.1
NNW		.2	1.4	1.0	.2							3.3	10.1
VARIABLE													
CALM	////////////////////											4.8	////
TOTALS	3.1	19.5	28.0	33.9	6.1	2.6	.2					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.2	.8	1.0	.2								2.2	7.0
NNE	.1	.9	.2	.2	.1	.1						1.6	8.7
NE	.1	.2	.6	.7	.2	.1						1.6	11.0
ENE	.1	1.4	1.0	.4	.3							3.7	8.7
E	.6	3.9	3.5	1.7	.1							9.5	7.5
ESE	.1	1.1	1.1	.5								2.8	7.3
SE	.2	.8	.8	.1								1.8	6.0
SSE	.2	1.1	1.3	.1								2.7	6.5
S	.7	2.6	2.7	1.9	.2	.7						8.0	9.0
SSW	.2	1.5	2.3	1.2	.5							5.7	9.1
SW		1.4	2.0	2.6	1.5	.8						8.5	12.8
WSW	.1	.6	2.7	9.9	2.0	.8	.2					16.3	14.0
W	.3	2.7	5.5	6.6	1.5	1.0						17.5	11.6
WNW		1.7	1.4	1.5	.6	.7						5.1	11.1
NW		.8	1.6	2.7	1.0							6.0	12.1
NNW		.4	1.2	1.6	.4							4.0	11.6
VARIABLE													
CALM	////////////////////////////////////											3.1	////
TOTALS	2.7	21.7	28.8	32.2	8.6	3.1	.2					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS (LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N		.6	.8	1.4								2.8	9.6
NNE	.2	.1	.6	.1	.2							1.3	9.1
NE		.0	1.0	.1	.4							2.3	9.8
ENE	.9	1.0	1.5	.9	.2							4.4	7.8
E	.5	3.7	2.9	2.4								9.6	7.7
ESE		1.4	1.3	.4								3.1	7.1
SE	.1	.8	.6									1.5	6.1
SSE	.2	.9	.3									1.4	5.3
S	.2	1.8	3.4	1.9	.4	.3						8.2	10.1
SSW	.7	.5	1.9	1.4	.2							4.4	9.7
SW		1.0	2.4	4.1	.9	.6	.3					9.2	13.1
WSW	.1	.8	2.0	6.3	3.1	1.9						16.2	14.7
W	.1	1.2	4.6	9.6	1.9	.8						18.2	12.6
WNW	.1	.6	1.7	2.2		.1						4.7	10.7
NW		.3	1.6	3.4	.6							6.0	12.2
NNW		.4	1.2	1.5	.9	.1						4.1	12.8
VARIABLE													
CALM	////////////////////											2.6	////
TOTALS	2.9	15.8	28.0	37.6	8.9	3.9	.3					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.1	.5	1.3	.8							2.7	8.7
NNE	.1	.1	.5	.2	.2						1.2	11.6
NE	.2	.3	.8	.4	.2						2.0	10.2
ENE	.1	2.2	1.7	.9	.4						5.3	8.5
E	.1	1.8	4.7	1.7							8.4	8.7
ESE		.1	1.1								1.2	7.5
SE		.2	.6								1.0	6.8
SSE	.2	1.0	.5								1.7	6.1
S	.1	1.3	2.0	1.4	.5	.2					5.6	10.3
SSW		.2	1.8	1.5							3.5	10.7
SW		.8	2.4	4.2	1.8	.3	.4				9.9	13.8
WSW	.1	.9	2.5	7.6	2.1	1.8	.3	.1			16.5	14.9
W	.3	.4	4.1	10.9	2.8	2.7	.2				20.8	14.0
WNW		.4	2.3	4.2	.4	.2					7.5	12.2
NW		.9	1.8	3.8	1.1						7.5	12.1
NNW		.4	1.0	1.6	.5						3.5	11.6
VARIABLE												
CALM	////////////////////////////////////										1.7	////
TOTALS	1.4	11.6	29.1	39.1	11.3	4.6	1.0	.1			100.0	11.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.0	1.0	1.3	.4							3.2	6.5
NNE		.4	.6	.4							1.5	9.1
NE	.1	.4	.9	.4	.2						2.0	9.5
ENE	.1	1.6	2.6	1.0	.4	.1					5.8	9.3
E		.9	3.4	2.4	.1						6.8	9.7
ESE		.6	1.2	.2							2.0	7.3
SE	.1	.7	.1								.5	4.8
ESE	.1	1.1	.6	.1							1.9	6.7
S		1.3	1.5	.3	.2						3.3	9.0
SSW		.0	1.2	1.4	.8						4.0	11.5
SW		.5	3.3	5.2	.9	.5	.2	.1			10.8	13.1
WSW	.1	1.1	2.5	5.7	4.0	1.2	.4				18.1	14.6
W	.1	1.7	5.3	7.5	2.9	1.2	.3				19.0	13.4
WNW	.1	.3	2.4	3.2	.9	.6					7.6	13.0
NW		1.2	2.9	2.9	.4						7.4	10.5
NNW	.2	1.1	1.4	1.0	.2						3.9	8.9
VARIABLE												
CALM											1.5	////
TOTALS	1.1	14.2	31.2	30.1	11.0	3.7	1.3	.1			100.0	11.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.5	1.4	1.8	.6							4.4	7.4
NNE		1.5	.1	.3							1.9	6.3
NE	.2	.9	.1	.7							1.5	7.0
NNE	.2	2.2	1.2	1.3	.3						5.2	8.5
E	.3	2.6	4.3	2.4							9.6	8.7
ESE		1.6	.9	.1							2.6	6.3
SE	.1	.1	.3								.5	5.8
ESE	.1	.2	.3								.6	6.0
S		1.7	2.7	.6	.4						5.5	8.7
SSW	.1	.5	1.1	1.1	.7	.2	.1				3.4	11.9
SW	.1	1.1	2.9	2.5	.6	.3	.3				8.2	12.0
WSW	.2	1.0	7.9	7.1	4.5	1.1	.5				17.3	14.6
W	.5	2.6	5.4	8.6	2.9	1.1	.2				21.5	12.5
WNW		1.4	1.1	3.3	.9	.2					6.9	11.6
NW	.1	.5	1.1	2.9	.7	.1					4.9	11.7
NNW	.1	.4	1.4	1.4	.2						3.5	10.4
VARIABLE												
CALM	////////////////////										2.4	////
TOTALS	2.7	19.7	27.5	33.1	10.4	3.7	1.2				100.0	10.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 715287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 79-87  
MONTH: JAN HOURS(DST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	1.1	2.2	1.7							5.2	9.0
NNE		.6	.3								1.0	5.6
NE	.1	.2	.2	.4	.4						1.7	11.6
ENE	.5	1.5	.9	.4							3.7	7.2
E	.4	3.0	2.6	2.3	.1	.1					9.2	8.8
ESE	.1	1.2	1.4								2.7	6.8
SE	.1	1.0	.4								1.5	5.6
SSE		.9	.6								1.4	5.6
S	.2	2.7	2.4	1.3	.1						6.2	8.1
SSW	.2	1.3	1.0	1.7		.4					4.2	10.2
SW	.1	.4	2.3	2.4	.3	.3	.1	.2			6.6	13.2
WSW	.1	1.0	3.1	7.1	2.9	1.6	.4				16.2	14.5
W	.3	2.4	5.5	9.4	3.1	1.3	.2				22.4	12.7
WNW		.6	1.9	2.7	.5						5.8	10.4
WW		.2	2.4	2.2	.2						5.1	10.9
NNW		.2	1.8	1.1							3.1	10.1
VARIABLE												
CALM	////////////////////										4.1	////
TOTALS	2.6	17.7	24.1	33.5	4.2	3.3	.8	.7			100.0	10.4

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS: 11ST: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-2	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	.5	1.4	.5							3.4	8.4
NNE	.1	.6	.4	.2	.1	.7					1.4	8.1
NF	.1	.5	.5	.2	.3	.3					1.7	9.8
NSE	.3	1.6	1.4	.7	.3	.1					4.5	8.5
E	.5	2.2	3.5	2.1	.1	.7					9.1	8.3
ESE	.7	.7	1.1	.2							2.3	7.0
SE	.1	.6	.5	.7							1.3	6.0
SSE	.1	.8	.6	.7							1.5	6.2
S	.2	1.9	2.5	1.1	.3	.1					6.5	9.1
SSW	.1	.8	1.6	1.4	.3	.7	.2				4.3	10.5
SW	.1	1.1	2.4	2.4	1.0	.4	.2	.1			8.7	12.6
WSW	.1	.5	2.7	2.4	3.1	1.3	.3	.0			16.3	14.3
W	.4	1.7	5.7	8.4	2.6	1.7	.2				20.0	12.7
WNW	.1	.5	1.8	2.7	.6	.7					6.1	11.4
WW	.1	.7	2.0	2.1	.5	.7					6.0	11.2
WNW	.7	.7	1.4	1.4	.3	.7					3.8	10.5
VARIABLE												
CALC	////////////////////										2.9	////
TOTAL	2.5	12.5	29.2	34.6	4.3	3.3	.6	.1			100.0	10.8

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.1	1.3	2.5	2.5	.2							6.6	10.1
NNE	.1	.7	1.3	.1								2.2	7.1
NE	.2	.7	.7	.7	.2							2.6	9.3
ENE	.2	1.4	.6	1.2	.4							3.8	9.2
E	1.1	4.7	2.8	2.5	.2							11.3	7.7
ESE	.7	1.9	.6	.1								3.3	5.0
SE	.1	.4	.2	.1								.8	6.4
SSE		.7	.2	.1								1.1	6.3
S	.5	3.7	2.2	1.4	.5		.1					8.4	8.2
SSW	.1	2.8	3.0	.5	.1							6.5	7.3
SW	.2	1.8	4.6	3.1	.8	.1						10.6	10.4
WSW		1.1	4.4	7.0	1.9							14.3	11.9
W	.4	2.6	5.6	4.0	.4	.1						13.0	9.7
WW	.4	.7	1.1	.1								2.2	6.9
WNW	.4	1.5	.9	1.8	.2							4.8	9.5
NNW	.2	1.3	.9	1.7	.2	.2						4.6	10.4
VARIABLE													
CALM	////////////////////											3.7	////
TOTALS	4.7	27.2	31.7	26.4	5.2	.5	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	1.8	2.1	1.5	.1						5.9	8.6
NNE	.2	.8	.9	.1							2.1	6.6
NE	.4	.5	.9	.4	.1						2.7	9.2
ENE	.5	1.5	1.4	1.3	.2						5.3	8.3
E	.5	3.2	2.6	2.7	.2						9.6	8.3
ESE		2.0	.6								2.6	5.6
SE	.7	1.5	.1								2.4	4.7
SSE	.2	.5	.4	.1	.2						1.4	8.3
S	.6	3.4	1.8	.7	.4						6.9	7.2
SSW	.4	2.2	2.2	1.5	.1						6.5	8.0
SW	.5	1.8	4.8	3.4	1.1		.1				11.7	10.1
WSW	.5	1.8	5.1	5.2	.8	.1	.2				13.7	10.5
W	.2	2.2	4.7	5.1	1.3	.1					13.7	10.8
WNW		1.4	.8	.6							2.8	7.9
NW	.4	1.2	.7	1.7	.1						4.0	9.5
NNW	.4	1.1	1.8	1.1							4.3	8.5
VARIABLE												
CALM	////////////////////										4.4	////
TOTALS	6.4	27.0	31.1	25.0	4.7	.2	.4				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 735287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	.8	1.2	1.5							3.8	9.3
NNE	.1	.6	.4	.4							1.4	7.3
NE	.2	1.2	1.4	.7	.2						3.8	8.6
ENE	.5	1.9	.7	1.2	.4						4.6	8.2
E	.7	3.9	3.4	2.7	.5						11.2	8.5
ESE	.1	1.7	.7								2.5	5.7
SE	.1	.7	.6								1.4	5.6
SSE	.5	.8	.8	.1							2.2	6.1
S	.4	4.7	1.1	.9	.2						6.6	7.1
SSW	.5	2.8	3.8	1.5	.4						9.0	8.3
SW	.6	2.1	2.8	4.5	.9						11.0	10.4
WSW	.2	.8	3.2	4.4	.1		.1				9.3	10.8
W	.8	1.7	5.0	4.7	1.1	.1					12.4	10.6
WNW	.8	1.9	1.8	1.5							6.0	7.9
WW		.8	1.3	1.7	.5						4.3	10.9
NNW	.1	.9	1.3	1.7	.1						4.1	9.7
VARIABLE												
CALM	////////////////////										6.3	////
TOTALS	5.7	26.7	29.4	27.1	4.4	.1	.1				100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-24	25-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	.7	2.2	1.7	.4						5.0	9.6
NNE		.4	.7	.8							1.9	9.6
NE		.4	2.0	.4	.2						3.0	9.5
NNE	.6	.8	1.8	1.7	.2	.1					4.8	9.1
E	.2	2.2	5.2	3.7	.8						11.7	9.6
ESE		.6	.9								1.5	6.9
SE		.4	.4	.1							.8	7.7
ESE		.7	.4	.4							1.3	7.6
S	.7	2.4	1.8	1.4							6.3	7.5
SSW	.1	1.2	3.4	2.0	.1						7.1	9.6
SW	.2	.7	5.3	5.4	1.7	.1					13.5	11.5
WSW	.2	.6	2.6	6.4	.9	.4					11.6	12.4
W	.1	1.4	4.3	5.2	1.1						12.1	11.0
WNW		1.5	2.0	1.2	.4						5.1	9.5
WNW	.1	1.1	2.0	2.1	.2						5.6	10.1
NNW		1.2	.8	2.1	.4						4.5	10.5
VARIABLE												
CALM	////////////////////										4.4	////
TOTALS	7.7	16.1	35.8	34.0	6.4	.6					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N		1.8	2.4	1.2	.1							5.4	8.6
NNE	.1	.6	1.1	1.1								2.8	9.2
NE	.1	.5	1.1	.9	.2	.1						3.0	10.6
ENE	.7	1.2	2.4	2.8								7.1	9.1
E	.1	1.8	3.4	1.7	.3							7.8	9.7
ESE		.2	.4	.2								.8	7.9
SE		.1	.1	.1								.4	8.0
SSE	.2	.4	.4									.9	5.5
S	.2	1.2	1.9	1.5	.1							5.0	9.2
SSW	.1	.8	1.5	1.4	.1							4.0	9.9
SW	.1	.7	3.7	8.0	1.4	.8						14.9	12.9
WSW	.9	.4	3.1	7.2	2.1	.4	.2					13.7	13.1
W	.1	.2	1.7	4.8	2.0							8.9	13.4
WNW	.1	1.2	4.4	4.0	.6							10.3	10.7
NW	.1	1.9	3.9	2.5	.2							8.6	9.6
NNW	.1	1.2	1.2	.9	.1	.1						3.7	9.2
VARIABLE													
CALM	////////////////////////////////////											2.7	////
TOTALS	2.6	14.1	32.4	36.7	7.9	1.4	.2					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.1	1.7	2.6	1.2								5.2	8.3
NNE	.2	.7	.7	.7								2.4	8.0
NE		.8	1.7	1.7	.5	.1						4.0	10.8
ENE		1.7	3.7	2.5	.2	.1						8.2	9.8
E	.1	.8	2.6	1.4	.7	.1						5.8	10.5
ESE	.1	.2	.5	.1								.9	7.8
SE		.2	.5									.7	7.0
SSE		.2	.5	.2								.9	8.4
S		1.7	1.7	.6	.1	.4						4.0	9.6
SSW		.9	2.0	.8								3.8	8.6
Sd		.9	4.3	6.2	2.0	.1						15.6	12.5
WSW		.8	3.2	6.6	3.0	.5	.2					14.3	13.9
W	.1	.6	2.7	5.6	1.5	.2						10.8	12.8
WNW	.1	1.1	4.1	4.0	.7							10.0	11.0
NW		2.2	3.8	1.1	.6							7.7	9.0
NNW	.1	1.7	1.4	1.7	.1							4.4	8.2
VARIABLE													
CALM	////////////////////											1.3	////
TOTALS	.9	15.6	35.5	35.5	9.5	1.5	.2					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.2	1.4	1.4	.8	.6							4.5	9.2
NNE	.5	.7	.6	.2		.1						2.1	7.2
NE		1.5	1.3	.7	.1							3.7	8.4
NNE	.9	2.1	2.1	2.4	.4							7.8	8.7
E	.8	1.9	2.7	2.4	.2	.2						8.3	9.1
ESE	.1	.7	.7	.1								1.7	7.4
SE		.6	.5	.1								1.2	7.7
SSE		.6	.2	.1	.2							1.2	9.4
S	.5	3.1	2.0	.7	.4							6.6	7.5
SSW	.5	1.3	1.9	.7	.1							4.5	7.9
SW	.1	1.3	5.9	5.4	.8	.2						14.3	10.9
WSW	.1	1.2	3.5	6.9	1.7	.6						13.9	12.7
W	.4	2.1	3.3	4.1	1.5	.1						11.6	10.9
WNW	.1	1.5	2.2	2.2	.4							6.5	9.9
NW	.1	1.1	.9	2.4	.6							5.1	11.3
NNW		.1	1.1	2.5		.1						3.8	11.4
VARIABLE													
CALM	////////////////////											3.3	////
TOTALS	4.3	21.7	30.5	31.4	7.0	1.4						100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 246



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 79-87  
MONTH: FEB HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.2	1.4	2.0	1.4	.6							6.0	10.2
NNE	.1	.4	.2	.7								1.4	9.8
NE	.1	.5	.2	.4	.1	.1						1.7	10.1
ENE	.6	.9	1.4	.8	.5							4.3	9.0
E	.6	3.1	3.8	2.4	.4							10.4	8.5
ESE	.7	2.7	1.1									3.8	5.4
SE	.1	.2	.8									1.2	7.3
SSE	.7	1.3	.4	.1			.1					2.1	6.9
S	.6	5.0	.7	1.2	.1	.1	.1					7.9	7.4
SSW	.1	2.0	2.0	1.9	.2							6.3	9.3
SW	.2	1.3	4.4	3.5	1.1							10.5	10.6
WSW	.1	1.2	4.3	5.9	1.5	.7						13.7	12.3
W	.0	2.5	3.0	4.8	.7							11.2	10.4
WNW	.1	.6	2.1	.8	.2							3.9	9.5
W		.5	2.4	2.5								5.3	10.5
WNW	.7	1.4	1.8	1.9	.4		.1					5.8	9.7
VARIABLE													
CALM	////////////////////											4.5	////
TOTALS	4.4	24.2	30.5	25.3	5.5	.9	.4					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 940

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 735267 STATION NAME: NIAGARA FALLS IAD NY

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(DST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	1.2	2.1	1.5	.7						5.3	9.3
NNE	.2	.6	.7	.5		.0					2.1	5.1
NE	.1	.8	1.1	.7	.2	.0					3.0	9.5
NNE	.5	1.4	1.9	1.7	.7	.0					5.7	9.5
E	.6	2.7	3.3	2.4	.5	.0					9.5	8.9
ESE	.0	1.2	.7	.1							2.1	6.0
SE	.1	.5	.4	.1							1.1	6.3
ESE	.1	.6	.4	.1	.1		.0				1.4	7.2
S	.4	3.0	1.6	1.1	.2	.1	.0				6.5	7.8
SSW	.2	1.8	2.5	1.7	.1						6.3	8.6
SW	.3	1.4	4.5	5.8	1.2	.2	.0				12.8	11.3
WSW	.0	1.0	3.7	6.3	1.5	.3	.1				13.1	12.3
W	.3	1.7	3.6	4.7	1.2	.1					11.7	11.1
WNW	.2	1.2	2.3	1.7	.3						5.9	9.7
W	.1	1.3	2.0	2.0	.2						5.7	9.9
WNW	.1	1.1	1.3	1.7	.2	.1	.0				4.4	9.7
VARIABLE												
CALM	////////////////////										3.8	////
TOTALS	6.7	21.6	32.1	31.2	6.9	.5	.2				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 75287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	1.6	1.7	1.6							5.7	8.1
NNE	.2	.6	.5								1.4	5.7
NE	.4	1.4	.6	.4	.4						3.4	8.3
ENE	.5	1.9	1.5	1.2	.1						5.4	7.7
E	.9	2.9	3.9	3.2	.3						11.2	8.6
ESE	.1	1.4	1.3	.4							3.2	7.0
SE		.9	.7								1.2	6.2
SSE	.1	.5	.9	.5							2.0	8.2
S	.6	2.7	1.3	1.5	.3						6.0	8.1
SSW	.1	1.7	2.5	1.1	.1						5.5	6.4
SW	.2	2.7	4.6	7.1	1.1						11.7	9.7
WSW	.2	2.0	3.2	2.7	1.1	.3					9.1	10.4
W	.2	2.0	4.1	4.1	.6	.2					11.2	10.4
WNW	.2	2.2	1.9	1.6	.4	.1					6.5	9.4
WW	.3	1.0	1.8	2.3	.2	.1					5.7	10.4
WNW	.2	1.5	1.2	1.1	.1						4.5	8.9
VARIABLE												
CALM	////////////////////										6.1	////
TOTALS	5.4	26.4	31.4	24.7	4.4	.9					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 715287 STATION NAME: NIAGARA FALLS IAF NY

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.2	2.7	1.8	.5								4.9	7.7
NNE	.1	.8	.4	.2								1.5	7.1
NE	.4	1.4	1.1	.8	.3							4.0	8.2
ENE	.5	1.8	.9	1.7	.1							5.1	7.9
E	1.0	3.1	3.2	3.8	.1							10.8	8.4
ESE	.1	1.9	.5	.1								3.1	6.8
SE	.3	.4	.3	.2								1.3	6.3
SSE	.4	1.1	.6	.7								2.5	6.6
S	.5	1.8	2.6	1.7	.1							6.8	8.3
SSW	.4	1.7	1.7	1.0	.7							6.1	8.4
SW	.1	2.4	4.2	2.7	.6	.3						10.4	9.7
WSW	.2	1.4	2.7	1.7	1.1	.1	.1	.2				7.5	11.5
W	.2	1.9	3.7	4.7	1.0	.1						11.8	11.0
WNW	.4	2.3	1.5	1.5	.7	.1						6.6	8.4
WW	.4	1.0	1.6	1.1	.1							4.2	8.6
WNW	.5	1.9	1.5	1.7								5.7	8.3
VARIABLE													
CALM	////////////////////											7.7	////
TOTALS	6.2	27.8	26.5	24.5	4.0	.6	.1	.2				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 7A-87  
MONTH: MAR HOURS (LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	1.5	1.1	1.0							4.3	7.4
NNE	.4	1.2	.2	.2							2.0	6.0
N-E		1.5	1.2	1.2	.3						4.2	9.1
ENE	.2	1.5	1.5	1.0	.3						5.8	8.6
E	.5	2.2	2.7	3.1	.4						9.0	9.2
ESE	.3	2.4	1.0	.4							4.1	6.3
SE	.2	.9	.4	.3							1.8	6.6
SSE	.3	1.6	.3	.3	.1						2.6	6.6
S	.3	2.2	2.2	1.6							7.1	8.0
SSW	.3	2.5	2.6	1.4	.2						7.0	8.0
S-W	.4	2.6	3.5	4.0	.6	.7					11.6	10.3
WSW	.4	1.1	2.0	1.6	1.2	.1					6.8	10.9
W	.2	1.6	3.7	5.2	1.1	.2					12.7	11.3
WNW	.3	1.6	1.2	1.0	.1	.3					4.5	9.5
W-W	.3	1.7	1.4	1.3	.2	.3					5.2	9.1
WNW	.4	1.3	.9	2.0	.1						4.7	9.4
VARIABLE												
CALM	////////////////////										6.6	////
TOTALS	6.7	27.3	25.8	27.6	4.0	1.2					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	.5	1.1	1.4							3.5	9.3
NNE		1.0	1.6	1.0							3.5	8.7
NE	.2	.5	1.6	1.5	.2						4.4	9.7
ENE	.3	1.9	2.0	2.2	.1						7.6	9.5
E	.2	1.4	3.3	2.1	.3						8.4	10.0
ESE		.4	1.0	.3							1.7	8.2
SE	.1	.8	.2	.1							1.2	5.8
SSE		1.4	1.2	.2							2.9	6.9
S	.3	1.7	3.0	2.7	.3						8.1	9.6
SSW	.1	.9	2.3	1.9							5.2	9.9
SW		1.4	3.7	3.7	1.6	.9	.1				11.7	12.2
WSW	.2	1.0	4.2	2.9	.9	.8		.1			10.0	11.8
W	.2	.9	3.1	5.9	1.2	.3					11.2	12.7
WNW		.9	2.0	2.5	.2	.2					6.2	11.8
NW	.1	.9	2.4	2.1	.9	.5					7.0	12.1
NNW	.2	1.2	1.4	1.9	.2						5.1	9.5
VARIABLE												
CALM	////////////////////										2.3	////
TOTALS	2.7	17.4	34.1	35.1	6.0	2.7	.1	.1			100.0	10.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705267 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 74-87  
MONTH: MAR HOURS(LEST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N		.4	2.8	.4								3.9	8.6
NNE	.1	.7	1.4	1.5	.1							3.3	10.2
NE	.3	1.3	2.0	1.5	.1							5.3	8.6
ENE		1.7	3.8	2.0	.1							7.7	9.8
E		1.7	2.3	3.5	.7							7.0	10.7
ESE		.7	.8	1.0								2.0	9.8
SE	.7	.2	.4	.7								1.2	7.2
SSE		.5	.8	.7								1.6	8.4
S	.0	1.3	2.2	2.3	.7							6.2	9.5
SSW		.5	2.0	2.4	.9							6.2	11.4
SW		.4	3.4	6.6	1.3	1.0	.2					13.2	13.4
WSW	.1	.5	2.7	4.6	1.2	1.2	.1	.3				10.8	14.5
W		.4	1.6	5.6	1.7	.6						10.0	13.9
WNW		.6	3.5	4.5	1.4	.4						10.5	12.6
NW		1.7	2.8	2.5	.4	.1						6.9	10.9
NNW	.1	.3	1.2	1.7	.2							3.1	10.4
VARIABLE													
CALM	////////////////////											1.0	////
TOTALS	1.3	11.0	33.4	41.4	7.7	3.3	.3	.3				100.0	11.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS (LST): 1500-1700

DIRECTION (DOLGPEFS)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N		1.4	3.0	1.0								5.4	8.2
NNE		1.0	2.8	1.4								5.2	8.9
NE		.8	3.0	1.9	.2							5.9	9.9
NNE	.3	1.7	3.4	3.9	.6							9.9	10.2
E		.5	1.5	2.6								4.6	10.7
ESE		.1	.8	.5								1.6	10.6
SE			.2	.7								.6	10.8
SSE		.1	.2	.2								1.2	11.7
S	.1	1.2	1.5	1.1	.2							4.2	9.2
SSW	.1	.7	1.9	1.6	.4							4.3	10.5
SW		.4	3.9	6.1	1.7	.6	.1					13.3	13.1
WSW	.1	.5	2.9	5.6	1.5	.6	.2	.1				11.9	13.7
W		.8	2.2	5.6	2.7	.6						11.3	13.7
WNW		.5	1.8	4.7	1.6	.7						9.2	13.7
W	.2	1.7	2.7	3.7	.6	.1						7.8	10.8
WNW	.1	.2	1.0	1.4	.2							2.9	11.0
VARIABLE													
CALM												.5	////
TOTALS	1.0	11.2	32.4	41.4	9.7	2.9	.3	.1				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 715287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5	1.7	1.7	1.1	.1							4.7	7.8
NNE	.2	2.2	1.5	.7								4.2	6.8
NE	.2	1.6	2.2	.6								4.7	7.9
ENE	.3	2.6	4.2	2.4	.2							9.7	8.7
E	.2	1.8	3.3	1.9								7.3	8.5
ESE	.1	.4	.4	.6								1.5	8.4
SE	.1	.3	.9	.3		.1						1.7	9.0
SSE	.1	.5	.4	.2		.1						1.4	8.5
S	.3	1.9	1.5	1.2								4.9	8.2
SSW	.1	1.4	2.1	1.5	.1							6.2	8.8
SW		2.5	4.7	5.2	.3	.1						12.8	10.2
WSW	.2	1.1	3.8	4.0	1.0	.5	.1					10.4	12.1
W	.2	1.7	2.8	4.3	1.3	.1						10.0	11.8
WNW		.9	2.9	3.3	1.5	.4						8.9	12.5
NW	.1	2.2	1.5	1.4	.2	.4						5.8	9.8
NNW		.8	1.4	1.3	.1							3.5	9.7
VARIABLE													
CALM	////////////////////											2.0	////
TOTALS	2.2	22.7	36.0	24.7	4.6	1.8	.1					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 75287 STATION NAME: NIAGARA FALLS IAF NY

PERIOD OF RECORD: 7A-87  
MONTH: MAR HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5	.5	1.0	1.2	.2							3.7	9.1
NNE	.5	.5	.5	.3								2.2	6.7
NF	.3	1.5	1.0	.4								3.2	7.1
ENE	.5	2.5	1.8	1.0	.3							6.3	7.9
E	.3	3.7	4.6	2.4	.3							11.3	9.4
ESE	.3	1.4	1.4									3.1	6.1
SE	.1	.3	.8	.3								1.5	8.0
SSE		1.4	.4	.3								2.2	6.4
S	.4	3.1	2.3	2.4	.3							9.5	8.8
SSW	.2	1.0	2.5	1.4	.3							6.2	8.8
SW	.3	1.7	5.3	2.2	.8							10.3	9.3
WSW	.3	1.7	3.2	2.6	.6	.1	.1					8.6	10.2
W	.3	1.5	3.8	3.7	1.0	.1						10.8	10.4
WNW	.3	1.5	2.2	1.0	.3							7.0	10.2
W	.1	1.3	1.8	2.2	.6	.3						6.1	10.6
NNW	.5	1.0	1.6	1.0	.2							4.3	8.8
VARIABLE													
CALM	////////////////////											4.7	////
TOTALS	4.9	26.0	34.1	23.4	5.5	.3	.1					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 75087 STATION NAME: NIAGARA FALLS IAF NY

PERIOD OF RECORD: 78-87  
MONTH: MAR FOUR (LAST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	1.7	1.6	1.1	.7						4.5	8.2
NNE	.2	1.7	1.1	.6	.7						2.9	7.9
NE	.2	1.7	1.6	1.1	.7						4.4	8.7
NNE	.5	1.9	2.4	2.2	.7						7.2	8.9
E	.4	2.1	3.1	2.5	.7						8.7	9.1
ESE	.1	1.0	.5	.7							2.6	7.5
SE	.1	.5	.7	.7		.7					1.3	7.4
ESE	.1	.7	.6	.4	.7	.7					2.0	7.5
S	.4	2.0	2.1	1.7	.7						6.5	8.7
SSE	.2	1.4	2.3	1.7	.7						5.0	9.2
SE	.1	1.7	4.2	4.7	1.0	.4	.1				11.9	11.1
SSE	.7	1.7	3.1	3.7	1.1	.5	.1	.1			9.4	12.1
W	.3	1.7	3.1	5.1	1.3	.3					11.1	11.9
WSW	.1	1.4	2.1	2.6	.6	.3					7.4	11.3
SW	.2	1.7	2.0	2.1	.4	.7					6.1	10.5
SSW	.1	1.0	1.7	1.7	.1						4.2	9.3
VARIABLE												
CALM	////////////////////										3.9	////
TOTALS	7.6	21.4	32.0	31.6	6.7	1.7	.1	.1			100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725297 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.2	2.0	2.1	.7	.1							5.1	7.9
NNE		.0	1.2									2.0	7.1
NE	.2	.0	1.2	.6								2.9	7.9
NNE	.2	1.9	1.7	1.9		.1	.2					6.0	9.7
E	.2	3.7	5.1	1.7								11.1	7.6
ESE	.2	1.7	1.1	.9								3.4	7.6
SE	.2	1.1	1.7	.2								2.9	7.2
SSE	.3	2.0	.7	.2								2.1	5.8
S	1.0	4.3	3.3	.9								9.6	6.5
SSW	.0	2.0	2.4	.8								6.9	6.9
SW	.4	4.0	3.0	1.4	.2	.2	.1					9.4	8.2
WSW	.2	1.6	1.9	2.8	.3	.4						7.1	10.4
W	.0	1.6	3.7	2.9	.2							8.8	9.5
WNW	.2	.7	3.2	2.4	.2							7.0	10.3
W	.2	1.4	2.4	1.4	.2							5.7	9.1
WNW	.1	1.7	1.4	.7	.2							3.4	9.0
VARIABLE													
CLIP	////////////////////											6.6	////
TOTALS	5.7	10.7	36.0	14.1	1.7	.4	.3					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	1.6	1.7	.4							4.0	7.4
NNE	.1	.9	1.1	.1							2.2	7.2
NE	.1	.8	1.9	1.0	.1						3.9	8.9
ENE	.6	2.6	1.6	1.7	.3						6.7	8.5
E	.8	2.7	5.2	1.1	.1						9.9	7.5
ESE	.1	1.4	1.0	.7							3.2	7.6
SE	.2	.7	.3	.1							1.0	6.4
SSE	.4	1.7	.6	.4							3.4	7.2
S	1.3	2.6	2.2	1.6	.1						7.7	7.6
SSW	.5	2.6	2.0	1.3							6.7	7.3
SW	.2	3.6	3.1	1.6	.4						9.2	8.4
WSW	.3	1.8	2.9	1.2	.3	.7					6.9	9.7
W	.2	1.6	2.7	3.1	.1	.2		.1			8.0	10.4
WNW	.4	.8	3.2	3.1	.2						7.8	9.9
NW	.1	1.6	2.7	1.4	.1						5.2	9.3
NNW	.3	1.1	1.6	1.6							4.6	8.8
VARIABLE												
CALM	////////////////////										9.7	////
TOTALS	6.0	27.2	33.2	21.7	1.9	.6		.1			100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N		1.0	2.6	.7								4.2	8.6
NNE		1.3	1.0	.2	.1							2.7	7.8
NE	.1	.4	1.9	1.2	.3	.2						4.2	10.6
ENE	.2	1.9	2.9	2.1	.4							7.6	9.4
E	.7	2.3	4.4	2.2								9.9	8.1
ESE	.3	2.1	.9	.4								3.8	6.7
SE	.2	1.2	.6									2.0	5.8
SSE	.7	1.6	1.1	.7								4.0	6.8
S	.6	2.4	3.3	2.1	.2							8.8	8.4
SSW	.2	1.6	3.3	.9	.2							6.2	8.5
SW	.2	3.3	3.8	2.1	.4	.2						10.1	9.0
WSW	.1	1.6	2.1	2.4	.2	.1	.4					7.3	11.5
W	.2	1.0	2.3	2.7	.2	.2						6.7	10.6
WNW	.2	1.2	2.0	2.7	.4							6.6	10.2
NW	.1	.4	2.1	2.0	.2							5.2	10.0
NNW	.2	.7	1.2	2.1								3.9	10.5
VARIABLE													
CALM	////////////////////											6.9	////
TOTALS	4.1	24.1	35.6	24.9	3.0	.8	.4					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N		1.2	2.4	1.1	.2				5.0	9.1
NNE	.2	.9	.4	.4	.1				2.1	7.9
NE	.1	.2	.7	2.4	.6				4.0	12.4
ENE		.6	2.6	3.0	.2				6.8	10.5
E	.2	1.5	5.1	3.0	.8				10.7	10.2
ESE		1.4	1.1	.4	.2				3.7	8.7
SE	.3	1.2	.9	.1					2.6	6.5
SSE	.2	1.3	1.6	.4	.1				3.7	7.4
S		1.2	2.1	2.0	.2	.3			5.9	10.4
SSW		1.4	1.4	3.1	.7	.1			6.8	11.1
SW	.1	1.3	4.7	4.9	1.0	.4	.1		12.6	11.6
WSW		1.2	2.8	4.2	.2	.2	.2		9.0	11.6
W		.5	1.7	2.8	1.1	.2	.1		6.8	12.5
WNW	.2	1.1	1.8	4.1	.2				9.1	11.3
NW	.1	.6	3.3	3.2	.6				7.9	10.8
NNW		.8	1.1	1.7	.1				3.4	10.2
VARIABLE										
CALM	////////////////////								1.1	////
TOTALS	1.0	16.4	33.7	34.4	7.2	1.3	.4		100.0	10.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	1.0	2.3	2.0							5.7	9.3
NNE		.4	1.4	1.2	.1						3.2	10.1
NE		.7	1.0	2.2	.4						4.3	11.7
ENE	.2	1.1	1.6	3.0	.4	.1					6.4	11.1
E	.2	.8	2.6	3.7	1.1						8.3	11.5
ESE	.1	.5	1.1	1.3							3.4	9.1
SE		.8	.2	.4							1.4	7.5
SSE	.1	.6	.7	.5	.2						2.4	10.4
S	.1	.6	1.0	1.3		.1					3.1	10.3
SSW	.2	.7	2.4	2.2	.2						5.8	10.2
SW		1.1	4.0	7.3	1.1	.1					13.7	12.1
WSW		.3	3.9	5.4	1.6	.4	.4				12.0	13.6
W		.6	1.4	2.7	.7	.4	.1				6.1	13.0
WNW		.2	3.2	5.1	1.2	.2					10.0	12.5
NW		.7	3.6	4.0	.3						9.1	11.2
NNW	.1	1.0	1.8	1.2							4.1	9.0
VARIABLE												
CALM	////////////////////////////////////										.8	////
TOTALS	1.4	11.0	32.1	44.7	7.4	1.4	.6				100.0	11.3

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS TAF NY

PERIOD OF RECORD: 7R-87  
MONTH: APR HOURS(LS): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.1	.7	3.3	1.8								5.9	9.3
NNE		.9	1.9	1.7	.2							4.3	9.6
NE		.2	2.2	2.0	.1	.3						4.9	11.7
NNE		.8	2.7	5.0	.4							8.9	11.5
E	.1	.4	2.2	3.6	.8							7.3	11.8
ESE	.1	.3	.8	.9								2.1	9.8
SE	.1	.1	.3	.7								.9	9.1
SSE	.1	.3	.4	.4								1.7	9.9
S	.7	.2	.8	1.0	.1							2.4	9.5
SSW		1.0	2.0	2.7	.3							6.0	10.6
SW		.9	3.9	7.7	1.2	.7	.1					14.1	12.1
WSW	.1	.4	3.4	4.7	1.2	.9		.2				11.2	13.4
W		.8	2.0	1.4	1.7	.6						6.1	12.8
WNW		1.0	2.2	4.4	1.1	.7						9.1	12.3
NW	.1	.8	4.1	3.3	.8	.2	.1					9.4	11.4
NNW	.1	.7	1.8	2.7	.7							4.9	10.5
VARIABLE													
CALM	////////////////////											.7	////
TOTALS	1.2	9.1	34.4	42.1	8.7	2.7	.2	.2				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/ATC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POUONLY OBSERVATIONS

STATION NUMBER: 705207 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
L	.1	1.4	2.0	1.1								4.9	8.2
NNE	.1	1.1	1.9	.4								3.6	7.8
NE	.2	1.7	3.2	.9		.1	.1					6.1	8.4
ENE	.2	1.9	3.4	2.1	.1		.1					7.9	9.4
E		1.0	4.6	4.2	.3							10.1	10.3
ESE	.1	.3	.8	.6								1.8	8.9
SE	.1	.7	.6	.6								1.8	8.6
SSE	.1	.4	.4	.4	.1							1.6	8.6
S	.1	2.4	2.1	.9	.1							5.7	8.0
SSW	.3	1.6	3.3	2.0	.1							7.3	8.7
SW		2.0	8.1	3.9	.9	.2						15.1	10.3
WSW	.1	1.3	3.3	2.2	.7	.4	.1					8.2	11.3
W	.1	.4	1.8	1.2	.6	.2						4.7	10.9
WNW		.9	2.2	3.7	.4	.2						7.4	11.6
W	.1	1.4	3.4	2.7	.7							8.7	9.9
WNW		1.0	1.6	1.2	.3							4.1	9.8
VARIABLE													
CALM	////////////////////											1.1	////
TOTAL	2.0	19.7	43.3	26.0	4.3	1.2	.3					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 7A-87  
MONTH: APR HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	1.7	1.4	1.1							4.3	7.6
NNE	.2	1.1	.8	.3							2.4	6.7
NE	.2	2.0	1.1	.6							3.9	6.8
ENE	.1	1.6	1.8	1.2	.7		.3				5.2	10.4
E	.3	1.4	5.3	4.7	.1						11.8	9.6
ESE	.2	2.0	1.8	.8							4.8	7.6
SE	.1	.7	1.3	.1							2.2	7.7
SSE	.3	.8	.6	.2							2.0	6.7
S	1.3	4.1	1.8	1.7							8.6	6.8
SSW	.3	3.0	1.4	.2		.1					4.7	6.4
SW	.4	4.6	4.9	2.0	.1	.7					12.2	8.0
WSW		1.4	3.2	1.7	.8	.7	.1				7.7	10.5
W	.7	1.2	3.4	1.4	.7	.7					7.7	10.5
WNW		.9	2.8	2.1	.4						6.2	10.5
NW		1.6	2.2	2.4	.3						6.6	9.8
NNW	.1	.9	1.7	1.8	.1						4.6	9.7
VARIABLE												
CALM	////////////////////										4.1	////
TOTALS	4.2	30.6	35.6	22.1	2.6	1.0	.4				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 720287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-5	6-9	10-13	14-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	1.3	2.2	1.1	.0						4.9	8.5
NNE	.1	.5	1.2	.5	.1						2.8	8.2
NE	.1	.9	1.7	1.7	.7	.1	.0				4.3	9.9
ENE	.2	1.6	2.3	2.4	.3	.0	.1				6.9	10.1
E	.4	1.7	4.3	3.1	.4						9.9	9.4
ESE	.2	1.7	1.1	.4	.0						3.3	8.1
SE	.7	.7	.7	.2							1.8	7.2
SSE	.7	.9	.8	.5	.1						2.6	7.6
S	.5	2.7	2.1	1.4	.1	.1					6.5	8.0
SSW	.3	1.5	2.3	1.7	.2	.0					6.5	8.7
SW	.2	2.6	4.4	3.9	.7	.2	.0				12.1	10.2
WSW	.1	1.7	2.9	3.1	.6	.4	.2	.0			8.6	11.8
W	.2	1.1	2.4	2.7	.6	.3	.0	.0			6.8	11.1
WSW	.1	.4	2.6	3.5	.6	.1					7.8	11.2
WW	.1	1.1	2.9	2.7	.4	.0	.0				7.2	10.3
WNW	.1	.4	1.5	1.5	.1						4.1	9.7
VARIABLE												
CLLP	////////////////////										3.9	////
TOTALS	7.1	21.1	35.4	30.2	4.5	1.2	.3	.0			100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705287 STATION NAME: NIAGARA FALLS IAF NY

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	2.7	1.1	.1							3.9	5.7
NNE		1.2	.8								1.9	5.9
NE	.2	.4	1.9	.4							3.3	7.6
ENE	.5	2.0	1.1	.8							4.4	7.1
E	1.1	4.3	2.9	.3							8.6	6.0
ESE	.5	1.4	.8								2.7	5.3
SE	.4	1.5	1.0	.1							3.2	5.5
SESE	.8	1.3	.4								2.5	4.7
S	1.1	4.3	3.1	1.0							9.5	6.6
SSW	.6	5.3	4.2	1.1	.1						11.3	6.9
SW	.7	4.5	4.5	1.7	.3						11.9	7.7
WSW	.4	3.2	3.0	1.6	.1						8.4	7.7
W	1.0	2.0	2.3	.7	.2						5.7	6.8
WNW	.2	1.2	2.8	.6	.4						5.3	8.8
NW	.2	1.7	1.9	.6							4.5	7.3
NNW	.4	1.1	1.0	.1							2.6	6.2
VARIABLE												
CALM	////////////////////										10.3	////
TOTALS	9.7	36.1	32.7	8.7	1.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725267    STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
 MONTH: MAY    FOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7	2.2	.5	.3								3.5	5.8
NNE	.3	1.1	1.0	.4								2.8	6.8
NE	.1	1.5	.9	.4								2.9	7.1
ENE	.4	3.4	1.5	1.7								6.6	7.0
E	.9	3.7	2.8	.7								7.1	6.2
ESE	.5	2.0	1.5									4.1	5.8
SE	.4	1.0	.4									1.8	5.2
SSE	.1	1.4	.3	.7								2.0	6.1
S	.4	3.4	3.3	.6								8.2	6.6
SSW	1.1	5.7	3.4	.4								10.2	6.3
SW	.0	4.7	4.5	3.0	.7							12.6	8.3
WSW	1.3	2.4	2.6	1.1		.7						7.7	7.5
W	.0	4.0	2.2	.8	.1							7.6	6.6
WNW	.2	1.2	2.4	.3	.1							4.1	7.8
NW	.1	1.2	1.8	1.3	.1							4.5	9.0
NNW	.3	1.6	.4	.2								2.6	6.0
VARIABLE													
CALM	////////////////////											11.6	////
TOTALS	7.8	39.7	29.6	10.5	.5	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 79-87  
MONTH: MAY HOURS/LSY: 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	2.0	1.5	.5							4.5	7.7
NNE	.1	.6	1.0	.1							1.8	7.4
NE	.2	.6	2.2	1.4							4.4	9.3
NNE	.5	1.6	1.6	1.7							5.4	8.2
E	.5	3.5	3.0	.6	.1						7.8	7.0
ESE	.7	1.8	1.2	.1							3.8	6.3
SE	.7	1.7	.5	.1							1.9	5.8
SSE	.2	1.3	.5	.1							2.7	5.4
S	.3	3.7	4.7	2.4	.1						10.4	8.1
SSW	.1	3.5	4.2	1.1							9.2	7.4
SW	.4	5.4	5.1	3.5	.5						15.3	8.7
WSW	.2	2.2	3.4	1.8	.4						9.1	8.5
W		1.8	2.8	.5	.1	.1					5.7	8.6
WNW		1.5	2.0	.6	.1						4.3	8.0
W		1.4	1.5	1.0							4.1	8.5
WNW		1.0	1.2	1.4							3.5	9.3
VARIABLE												
CALM	////////////////////										6.7	////
TOTALS	4.1	34.4	35.7	17.4	1.4	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 70-87  
MONTH: MAY HOURS: 0000-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN K/100
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-60		
N		1.7	1.1	1.7								3.5	9.2
NNE	.1	.9	1.7	.9								3.6	9.0
NF	.1	.9	1.9	1.7								4.1	9.2
NNE	.2	1.1	2.6	2.0								5.9	9.9
E	.1	1.9	3.9	1.9								7.6	9.6
ESE	.1	1.7	.9	.7								2.5	8.7
SE		.9	.6	.9								1.9	9.1
SSE	.1	1.1	1.1	.7								2.6	7.7
S	.3	2.9	3.7	1.2								7.7	7.9
SSW	.5	1.7	4.3	1.7	.1							9.6	9.1
SW	.9	3.9	4.9	7.7	1.6	.1						17.6	10.8
WSW	.5	2.0	3.3	2.9	1.7	.2						9.7	10.1
W	.1	1.9	2.7	1.2								4.9	8.7
WNW	.2	1.9	2.3	2.0	.7	.1						7.1	9.7
W	.1	1.1	2.3	2.7	.1							5.6	9.7
WNW	.2	1.0	1.9	1.9								4.6	9.2
VARIABLE												1.6	////
TOTALS	7.2	23.7	38.7	29.6	3.9	.9						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 930



CLIMATE CLIMATOLOGY BRANCH  
USAF PAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM MONTHLY OBSERVATIONS

STATION NUMBER: 72507 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 78-87  
MONTHS: MAY MONTHS: 1700-1800

DIRECTION 100-60 (5)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND KNOTS
	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55		
N	1.1	1.7	2.6	1.1								5.5	0.7
NNE		1.1	2.7	1.7								5.5	0.8
NNE		1.7	2.7	1.6								6.0	0.5
ENE		1.1	2.7	1.1	1.1							7.1	10.9
E		1.1	1.6	1.1	1.7							5.5	9.1
ESE		1.1	1.1	1.1								3.4	0.0
SE	1.1	1.1	1.1	1.1								4.4	0.0
ESE	1.1	1.1	1.1	1.1								4.4	0.0
S	1.1	1.1	2.6	1.1	1.1							7.1	0.0
SSE	1.1	1.1	1.1	1.1	1.1							5.5	0.0
SSE	1.1	1.1	1.1	1.1	1.1	1.1						7.1	11.9
SSE	1.1	1.1	2.6	1.1	1.1	1.1						9.6	12.1
S	1.1	1.1	1.1	1.1	1.1	1.1						9.6	9.0
SSE	1.1	1.1	2.6	1.1	1.1	1.1	1.1					10.2	10.2
SSE	1.1	1.1	1.1	1.1	1.1	1.1						7.1	9.0
SSE		1.1	2.7	1.1	1.1							5.5	0.0
UNSPEC													
TOTAL	2.2	10.7	17.6	9.6	4.4	4.2						100.2	10.1

TOTAL NUMBER OF OBSERVATIONS: 932

GEORGIA AIRPORTS AND NAVY  
USAFETAC  
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POWELLY OBSERVATIONS

STATION NUMBER: 7337 STATION NAME: NIAGARA FALLS TAP 41

PERIOD OF RECORD: 79-87  
MONTH: MAY MONTHS: 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS						TOTAL	MEAN WIND
	0-5	6-10	11-15	16-20	21-25	26-30		
N	1.5	1.7	1.5	1.1			6.8	9.0
NNE	1.1	1.1	2.5	1.7			6.4	9.2
NNE	1.1	1.7	1.1	1.1			7.1	9.4
NNE	1.5	1.7	1.1	1.1			7.6	10.0
NNE	1.1	1.1	1.1	1.1			7.4	9.3
NNE	1.1	1.1	1.1	1.1			6.9	9.0
NNE	1.1	1.1	1.1	1.1			6.7	8.5
NNE	1.1	1.1	1.1	1.1			6.7	9.3
NNE	1.1	1.1	2.5	1.1	1.1		6.9	9.3
NNE	1.1	1.1	1.1	1.1	1.1		7.1	9.0
NNE	1.1	1.1	1.1	1.1	1.1	1.1	19.0	11.0
NNE	1.1	1.1	1.1	1.1	1.1	1.1	11.6	12.4
NNE	1.1	1.1	1.1	1.1	1.1	1.1	9.3	9.2
NNE	1.1	1.1	1.1	1.1	1.1	1.1	9.3	10.7
NNE	1.1	1.1	1.1	1.1	1.1	1.1	6.9	9.6
NNE	1.1	1.1	1.1	1.1	1.1	1.1	6.1	8.7
Variable								
Sum	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0
TOTAL	1.1	1.1	1.1	1.1	1.1	1.1	100.0	10.9

TOTAL NUMBER OF OBSERVATIONS: 737

USAF CLIMATE BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 775287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 74-87  
MONTH: MAY HOUR(S): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	0.2	2.0	1.6	0.7	0.1			4.2	6.7
NNE	0.1	0.1	2.2	0.0				3.1	7.7
NE		2.7	3.5	0.7				6.8	7.5
NNE	0.1	2.5	3.9	2.2				9.7	8.7
E		2.5	3.7	1.1	0.1			7.3	8.2
ESE	0.1	1.2	0.6	0.1				2.0	6.2
SE		1.0	0.6	0.1				1.7	6.6
ESE		1.7	0.9					2.2	6.3
S	0.1	2.1	4.7	1.2				8.9	7.7
SE	0.1	2.7	3.7	1.1	0.1			7.6	8.1
SE		2.5	6.1	1.1	0.1			10.2	9.3
SSE	0.1	0.0	4.1	1.0	0.1			9.0	10.5
S		1.4	1.9	0.9	0.1			3.4	8.8
SSE	0.1	1.7	1.9	1.7	0.0	0.1		6.1	9.5
SW	0.1	1.1	2.9	1.1				5.5	8.4
SSW	0.1	1.7	1.5	1.1				4.2	8.2
VARIABLE									
CALC	////////////////////////////////////							1.5	////
TOTAL	1.7	25.1	45.1	20.7	1.6	0.1		100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 134FETAC  
 AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM MONTHLY OBSERVATIONS

STATION NUMBER: 7 5267 STATION NAME: NIAGARA FALLS 1AF NY

PERIOD OF RECORD: 7P-87  
 MONTH: MAY HOURS/LSST: 2100-2300

DIRECTION (DEG-REG)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	0-5	6-10	11-15	16-20	21-25	26-30	31-40	41-47	48-55	GE 56		
N		2.4	1.1								3.4	6.0
NNE	1.1	1.1	1.5								3.6	5.7
NE	1.1	1.5	1.5								4.1	5.9
NNE	1.5	2.9	1.5	1.1							6.5	6.9
E	1.5	4.7	5.2	1.1	1.1						13.6	7.1
ESE	1.1	1.1	1.6								3.8	6.4
SE	1.1	1.1	1.1								3.3	5.9
ESE	1.5	1.1	1.1								3.7	6.4
S	1.1	7.7	3.7	1.6							13.5	6.6
SSE	1.1	3.4	3.2	1.6							9.3	6.0
SE	1.1	4.7	5.2	1.1	1.1						14.1	6.2
SSE	1.1	1.7	3.5	1.1	1.1						6.6	6.1
S	1.1	2.4	2.2	1.1							6.8	7.1
SSE	1.1	1.2	1.6	1.1	1.1						6.2	6.9
SE	1.1	1.4	2.6	1.1							6.2	7.0
SSE	1.1	1.2	1.0	1.1							4.4	7.4
VARIABLE												
CALM	////////////////////										6.9	////
TOTALS	5.7	19.7	35.6	11.6	4.9						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 930

CLIMAT CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 7 5267 STATION NAME: NIAGARA FALLS TAF NY

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(IST): ALL

DIRECTION (true)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50		
N	0.1	1.4	1.4	0.7	0.0						4.3	7.5
NNE	0.1	0.0	1.4	0.7							3.0	8.0
NE	0.1	1.4	2.1	1.4							4.4	8.5
ENE	0.1	0.7	2.1	2.1	0.1						6.6	8.6
E	0.0	2.1	3.0	1.4	0.1						7.2	7.4
ESE	0.2	1.4	0.9	0.1							2.4	6.2
SE	0.2	0.9	0.9	0.7							1.9	6.2
SSE	0.3	1.4	0.7	0.7							2.3	6.7
S	0.0	3.0	3.0	1.4	0.1						6.6	7.5
SSW	0.7	1.4	3.0	1.4	0.1						9.0	7.9
SW	0.7	3.0	3.0	3.0	0.7	0.1					15.9	9.8
WSW	0.0	0.0	3.0	2.1	0.0	0.7					9.1	9.9
W	0.0	0.7	2.1	1.4	0.1	0.7					5.4	8.0
WNW	0.7	1.4	2.1	1.4	0.0	0.1					5.5	9.3
WNW	0.1	1.4	0.9	1.4	0.1						5.4	9.8
WNW	0.7	1.4	1.4	1.4	0.1						6.0	8.3
Variable												
CalM	////////////////////										5.0	////
TOTAL	4.3	20.7	30.7	21.4	1.4	0.9					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 7990

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705267 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-66	
N	.7	3.4	.8	.1							5.0	5.5
NNE		.4	.9	.1							1.6	7.5
NE	.6	.7	.7								1.6	5.4
NNE	.2	1.4	.7	.4							2.8	6.8
E	.4	3.4	1.7								5.8	5.9
ESE	.3	1.4	.6								2.3	5.2
SE	.1	.9	.4								1.4	5.2
ESE	.7	1.1	.4								2.7	5.3
S	1.2	4.7	5.8	.9							12.9	6.6
SE	1.2	3.4	4.4	.7							9.9	6.8
SE	1.4	3.9	4.4	2.1							12.1	7.4
SSE	.7	2.4	3.0	1.7	.1						7.9	6.2
S	.3	2.4	3.0	1.6	.1						7.8	7.8
SSE	.3	2.0	2.3	.7							6.0	7.3
SSW	.3	1.7	2.0	1.1							4.3	6.2
SSW	.1	1.7	1.6	.1							3.0	6.8
WINDY												
WINDY												
TOTALS	9.1	31.0	33.1	4.4	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705207 STATION NAME: NIAGARA FALLS IAF NY

PERIOD OF RECORD: 70-07  
MONTH: JUN HOUR(S): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	0-1	2-6	7-10	11-16	17-24	25-32	33-40	41-47	48-55	56-63	64-70		
N	0.4	1.0	1.0	0.1								5.3	5.9
NNE	0.2	1.1	1.0									2.3	6.0
NE	0.1	1.7	1.0	0.7								2.7	6.0
NNE	0.7	1.0	1.0	0.1								0.3	6.2
E	0.0	2.0	0.0									0.2	5.4
ESE	0.0	1.2	0.3	0.1								2.0	5.2
SE		0.5	0.0									1.3	5.0
SSE	0.1	0.9	0.3									1.0	5.0
S	10.1	9.1	5.0	0.7								10.1	6.5
SSW	0.0	0.0	0.0	0.1								10.9	6.5
SW	1.3	3.5	2.3	2.0								10.0	7.2
WSW	0.9	2.7	2.0	2.0	0.1							0.0	8.3
W	0.0	0.0	3.0	2.1	0.1	0.1						0.0	8.6
WNW	0.0	1.7	1.0	0.0								0.7	7.2
W	0.1	0.0	2.0	0.0								3.2	7.0
WNW	0.0	1.0	1.0	0.0								3.2	7.1
VARIABLE													
CALC	////////////////////////////////////											11.9	////
TOTALS	5.1	36.0	31.9	10.1	0.2	0.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 74-87  
MONTH: JUN HOURS (LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N		1.4	1.2	.4								3.1	7.1
NNE	.2	.6	1.6	.1								2.4	7.3
NE	.1	.7	1.6	.4								2.8	8.2
ENE	.6	1.6	1.6	1.0								4.7	7.5
E	.9	2.2	1.6	.7								5.3	6.5
ESE	.1	1.2	1.1									2.6	6.1
SE		1.2	.4									1.7	5.7
SSE	.2	1.1	.5	.1								2.2	6.3
S	.4	4.4	4.9	.9								10.7	7.1
SSW	.6	3.6	5.9	1.7								11.7	7.8
SW	.4	3.7	6.2	3.0	.1							13.6	8.4
WSW	.3	3.2	4.0	2.4								10.0	8.5
W	.4	1.1	3.2	3.7	.2							8.3	9.8
WNW		1.8	2.6	1.9								6.2	8.9
NW		1.1	2.9	1.7	.1							5.4	9.2
NNW		.2	1.7	.4	.1							3.1	8.5
VARIABLE													
CALM	////////////////////////////////////											6.0	////
TOTALS	4.7	27.9	41.1	17.6	.6							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM MONTHLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS INT NY

PERIOD OF RECORD: 78-87  
MONTH: JUN MONTHLY PERIOD: 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-41	42-47	48-55	56-59		
N	.2	1.6	2.0	.								6.8	7.4
NNE		.9	1.9	.4								3.2	8.3
NE	.1	.7	1.8	.7								2.5	8.8
ENE	.2	1.7	3.7	1.1								5.4	8.8
E	.1	1.7	2.7	.								4.4	8.1
ESE	.1	.5	.1	.1								1.2	6.0
SE	.1	.5	.4									1.1	6.0
SSE		.7	.7									1.3	6.8
S	.2	1.7	3.9	.7	.1							6.2	8.2
SSW	.1	2.0	3.7	2.4	.7							8.9	9.4
SW	.6	2.9	7.9	4.1	.7							21.1	10.2
WSW	.1	2.7	4.7	4.7	.7							12.3	10.0
W	.1	1.0	2.4	3.7	.7							7.4	10.6
WNW		1.1	2.7	3.1	.2	.1						6.9	10.6
W	.1	1.7	4.2	2.1	.2							8.7	9.8
WNW	.1	.5	1.8	.7								3.3	8.7
VARIABLE													
CALM	////////////////////											1.1	////
TOTALS	2.2	20.1	43.2	30.4	2.4	.1						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATE/CLIMATE BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAJ

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATION

STATION NUMBER: 7 5747 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 79-87  
MONTH: JUN HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	1.7	2.7	1.9					5.3	8.5
NNE	.4	.4	1.6	.1				2.7	8.4
NE	.1	.4	1.6	1.4	.1			3.7	9.8
ENE		.4	1.6	1.4	.1			3.9	9.9
E		1.7	1.4	1.1				3.9	8.7
ESE		.4	.6					.8	7.9
SE		.4	.4					.9	6.9
SSE	.1	.4	.4	.1				.9	7.8
S	.1	1.7	1.7	.1				5.2	8.9
SSW	.1	.7	4.5	1.7	.5			9.4	10.6
SW	.1	2.0	5.8	10.1	1.7	.1		20.0	11.6
WSW	.7	.4	4.6	1.4	1.7	.7		12.3	12.0
W	.1	1.7	2.6	1.9	.4			6.3	9.9
WNW	.2	1.2	2.6	4.7	.2	.1		8.9	10.7
NW	.1	1.2	1.9	1.6	.3			9.0	10.1
NNW	.1	.9	1.9	1.7				5.9	8.9
VARIABLE									
CALM	////////////////////							.9	////
TOTALS	1.6	14.4	41.1	37.0	4.6	.4		100.0	10.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 735267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.2	1.9	4.4	1.1	.1							7.8	8.3
NNE	.1	.6	2.2	.7								3.6	8.3
NE		1.0	2.6	1.7	.2							5.4	9.9
NNE	.1	.6	1.9	1.3								3.9	9.2
E		.7	1.2	.7								2.8	8.8
ESE	.1	.6	.4	.1								1.2	6.6
SE	.1	.2	.3									.7	6.2
SE	.1		.1									.2	5.5
S	.1	1.4	2.0	1.7	.1							5.0	8.9
SSW	.1	1.2	3.0	3.2								7.6	10.0
SW	.2	1.4	8.9	12.4	1.0							24.0	11.1
WSW		.7	3.4	6.2	1.0	.2	.1					11.7	12.3
W	.1	.3	1.2	2.3	.3	.3						4.7	12.7
WNW		.6	1.9	4.0	.7							7.1	12.0
NW		1.0	2.7	4.3	.7							8.7	11.4
NNW	.1	1.0	2.3	1.3	.3							5.1	9.5
VARIABLE													
CALM	////////////////////											.7	////
TOTALS	1.4	13.1	36.7	41.0	4.4	.6	.1					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS/ST: 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N		1.6	2.4	.2				4.2	7.1
NNE	.1	1.8	2.1	.3				4.3	7.1
NE	.1	1.9	2.4	.7	.2			5.3	7.8
NNE	.4	2.1	3.6	.9				7.0	7.3
E	.3	1.2	3.0	1.0				5.6	8.0
ESE	.1	.7	.1					.9	5.6
SE	.1	.7	.6					1.3	6.4
SSE	.1	.4	.4					1.0	5.8
S	.2	2.4	3.3	1.0				7.0	7.7
SSW	.3	2.1	6.0	1.0				9.5	8.1
SW	.6	3.9	11.2	5.9				21.5	9.1
WSW	.4	1.4	4.0	3.2	.1			9.2	9.5
W		1.7	1.3	1.6	.2	.1		4.6	10.2
WNW	.1	1.0	2.0	3.3	.4	.1		7.0	11.3
NW	.1	1.2	2.6	1.7	.4	.1		6.7	9.5
NNW		.1	1.7	.2	.1			2.7	10.0
VARIABLE									
CALM	////////////////////							2.1	////
TOTALS	3.1	24.4	46.9	21.6	1.6	.3		100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	3.5	1.7								5.5	5.8
NNE	.1	1.3	.8								2.2	5.6
NE		1.2	1.7	.3							3.2	7.4
ENE	.8	1.8	1.0	.7							4.2	6.8
E	.4	3.1	1.9	.3							5.8	6.1
ESE	.3	1.2	.7	.1							2.3	6.1
SE	.1	1.3	.8	.1							2.3	5.9
SSE	.1	1.6	1.1	.2							3.0	6.5
S	.9	5.7	4.8	.4							11.8	6.4
SSW	.4	5.0	3.6	.6							9.6	6.8
SW	1.1	5.0	6.6	1.9	.1						14.7	7.5
WSW	.7	2.2	3.1	1.2							7.2	7.7
W	.4	2.3	2.2	.9	.1						6.0	7.5
WNW	.2	1.8	3.1	1.2	.1						6.5	8.4
W	.2	.9	2.3	.7							4.1	8.3
NNW	.2	1.2	.8	.2							2.5	6.6
VARIABLE												
CALM	////////////////////										8.9	////
TOTALS	6.5	39.2	36.1	8.9	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 79-87  
MONTH: JUN HOURS(DAYS): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.2	2.2	2.1	.5	.0							5.0	7.0
NNE	.1	.9	1.5	.3								2.8	7.4
NE	.1	.9	1.7	.7	.1							3.4	8.4
NNE	.4	1.4	1.9	.9	.0							4.5	7.8
E	.4	2.0	1.8	.6								4.7	7.0
ESE	.2	.9	.5	.1								1.7	5.9
SE	.1	.8	.5	.0								1.4	5.9
SSE	.2	.6	.6	.2								1.6	6.1
S	.6	3.7	4.1	.8	.1							9.2	7.2
SSW	.4	2.9	4.6	1.7	.1							9.7	8.2
SW	.4	3.7	6.7	6.0	.4	.0						17.2	9.5
WSW	.4	2.0	3.6	3.5	.4	.1	.0					9.9	9.8
W	.3	1.6	2.5	2.2	.2	.1						6.8	9.5
WNW	.2	1.4	2.4	2.4	.2	.0						6.7	9.8
NW	.1	1.1	2.6	2.0	.2	.0						6.3	9.6
NNW	.1	.9	1.9	.6	.1							3.6	8.4
VARIABLE													
CALM	////////////////////											5.4	////
TOTALS	4.7	26.7	39.0	22.1	1.8	.2	.0					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 7155

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705787 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS (LST): 0000-0200

DIRECTION (DTG 07EFS)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.4	4.7	1.6	.4								7.3	5.6
NNE	.2	1.0	.6									1.8	5.6
NE	.7	.5	.2									1.2	4.7
NNE	.5	1.6	.4	.7								2.8	5.5
E	.6	2.4	1.4									4.5	5.7
ESE	.4	1.1	.3									1.6	4.4
SE	.3	1.0	.3									1.6	4.7
ESE	.4	1.4	.8	.1								2.7	5.8
S	1.4	7.9	4.7	.6	.1							14.7	6.3
SSW	.3	5.5	4.1	1.1	.2							11.6	7.0
SW	1.2	6.1	7.4	1.2								15.9	6.9
WSW	.2	2.2	3.3	.6	.1							6.6	7.6
W	.5	2.4	2.2	.9								6.0	7.0
WNW	.1	1.0	2.8	.5								5.3	7.3
NW	.2	1.1	1.9	.9								4.0	8.1
NNW	.3	1.2	.6	.2								2.4	6.0
VARIABLE													
CPLM	////////////////////											10.0	////
TOTALS	8.1	42.4	32.6	6.0	.4							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	2.5	1.3								4.4	5.9
NNE	.1	.1	.6								1.4	6.7
NE	.1	1.1	.5								1.9	5.6
NNE	.6	2.4	.1	.4							3.8	5.5
E	1.2	2.7	1.6	.1							5.1	5.9
ESE	.9	1.8	.2								2.8	4.4
SE	.5	1.2	.1								1.8	4.2
ESE	.2	1.4	.4	.2							2.3	6.1
S	1.1	6.3	5.2	.6							13.2	6.4
SSW	.2	5.5	4.2	1.1							11.2	7.0
SW	.4	5.9	5.5	2.2	.2						14.2	7.6
WSW	.5	3.0	2.8	.4							6.8	6.7
W	1.2	4.2	1.9	.1							8.1	6.0
WNW	.1	2.1	1.5	.3							4.2	6.5
WW		1.6	.8	.2							2.6	6.5
WNW	.1	1.2	1.5	.1							3.7	6.7
VARIABLE												
CALM	////////////////////										12.7	////
TOTALS	7.5	44.3	28.5	6.2	.2						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(1ST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.4	2.5	1.1	.2								4.2	6.2
NNE		1.1	1.4	.1								2.6	7.3
NE	.1	.4	1.0	.1								1.7	7.5
ENE	.6	.9	.6	.1								2.2	5.7
E	1.0	2.2	1.5	.1								4.7	5.8
ESE	.4	.4	1.2	.1								2.3	7.0
SE	.1	1.3	.3	.1								1.8	5.8
SSE	.1	1.8	.1	.2								2.5	5.7
S	1.0	4.8	4.5	1.3								12.0	6.9
SSW	.3	2.6	6.9	2.2								11.9	8.4
SW	.6	4.5	7.4	3.4	.1							16.1	8.2
WSW	.9	3.2	4.0	2.2								10.3	8.0
W	.4	2.6	3.1	1.2								7.3	7.7
WNW	.1	2.2	1.4	.6								4.3	7.5
W		1.7	2.2	1.1								4.5	8.6
WNW	.2	1.1	1.2	.5								3.0	7.7
VARIABLE													
CALM	////////////////////											8.5	////
TOTALS	6.6	32.6	38.3	13.6	.1							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.1	2.0	2.5	.9								5.5	7.6
NNE		.5	1.5	.8								2.8	8.7
NE	.5	.4	1.2	.6								2.8	7.6
NNE		.9	.6	.1								1.6	6.7
E	.1	.2	1.0	.4								1.7	8.4
ESE	.1	.4	1.3	.4								2.3	8.3
SE	.1	.6	1.0	.2								1.9	7.2
SSE	.2	1.1	1.3	.1								2.7	6.4
S	.2	1.8	3.8	1.0								6.8	7.9
SSW	.4	1.9	5.1	2.9								10.3	8.9
SW	.2	3.1	8.5	10.2	.4							22.5	10.4
WSW	.3	1.8	3.1	4.2	.2							10.3	10.1
W	.2	1.3	4.1	1.7	.2							7.5	9.3
WNW	.2	2.2	2.5	1.3	.4							6.6	8.8
NW	.1	2.4	4.2	1.4								8.1	8.3
NNW	.1	1.1	2.2	1.5								4.8	9.4
VARIABLE													
CALM	////////////////////											1.8	////
TOTALS	3.7	21.8	43.7	28.4	1.3							100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	1.7	2.7	.6							4.6	8.0
NNE	.1	.1	1.3	.5							2.0	9.2
NE	.1	.3	1.0	.3							1.7	8.4
ENE	.1	.6	1.0	.3							2.0	7.6
E	.1	.3	1.3								1.7	7.1
ESE		.3	1.0	.4	.1						1.8	9.7
SE		.6	.6								1.4	6.8
SSE	.2	.5	.6								1.4	6.1
S	.3	1.4	3.8	.8							6.2	7.9
SSW		.5	5.2	3.5	.1						9.4	10.4
SW		1.5	7.1	12.5	1.4	.2					22.7	11.8
WSW	.1	.9	4.3	6.1	.6	.1					12.2	11.5
W	.1	1.2	2.5	1.5	.2						5.5	9.7
WNW	.1	.9	2.9	3.7							6.9	10.0
NW		1.2	6.3	3.4	.1						11.1	9.9
NNW		1.6	4.8	1.6	.2						8.3	9.1
VARIABLE												
CALM	////////////////////										1.1	////
TOTALS	1.4	13.2	46.5	34.7	2.4	.3					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 775267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS (LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	1.2	5.6	1.7							8.2	8.5
NNE		.4	2.5	.4							3.3	8.3
NE		.4	1.2	.4							2.4	9.0
ENE		.5	.4	.5							1.5	8.5
E	.1	.7	.6								1.1	6.7
ESE		.1	.4	.6							1.2	9.9
SE		.4	.3								.8	5.6
SSE		.8	.4								1.2	5.7
S	.1	.3	1.3	.5	.1						2.7	9.6
SSW	.1	.5	3.2	3.2	.3						7.7	10.4
SW	.1	.5	9.9	12.0	1.0	.2					24.1	11.4
WSW	.1	1.0	4.9	7.6	1.7	.2	.1				15.2	11.8
W		1.0	1.9	1.3	.2						4.4	9.7
WNW	.1	.8	1.9	2.7	.2						5.7	10.5
NW		1.6	4.8	2.2	.2						9.9	9.8
NNW		1.4	5.6	2.3	.1						10.3	9.2
VARIABLE												
CALM	////////////////////										.4	////
TOTALS	.3	12.4	45.2	37.4	3.3	.4	.1				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705287 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL HOUR: 1500-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	.1	2.7	2.2	1.2				5.5	7.6
NNE	.3	1.7	.8	.1				2.5	6.1
NE	.1	2.0	2.4	.1				4.6	6.6
NNE	.5	1.5	1.0	.3				3.4	6.1
E	.1	1.8	1.4	.2				3.4	6.3
ESE	.1	.5	.4	.2				2.0	7.0
SE		.4	.3					.8	6.4
ESE	.1	.8	.3					1.2	6.1
S	.2	3.0	2.5	.1				6.9	6.7
SSW		1.4	6.2	.5	.1			8.5	6.4
SW		3.4	13.5	6.0	.1	.1		23.2	9.4
WSW	.7	1.6	7.2	4.2	.2			13.5	9.7
W	.5	1.6	1.7	.6	.1			4.2	7.6
WNW	.2	1.0	2.6	1.8				6.5	8.5
NW	.1	1.4	2.0	1.3	.2			5.1	9.4
NNW	.1	2.2	3.7	1.3				7.2	8.2
VARIABLE									
CALM	////////////////////							1.5	////
TOTALS	2.9	27.6	49.2	17.6	.4	.1		100.0	8.2

TOTAL NUMBER OF OBSERVATIONS: 930

CLIMATE CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 710287 STATION NAME: NIAGARA FALLS IAF NY

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	0.1	1.0	1.3	0.7								3.7	6.0
NNE	0.2	1.0	0.5									1.7	5.7
NE		1.0	0.3	0.1								1.5	6.5
NNE	0.5	2.0	0.1									2.7	4.6
E	0.4	1.0	1.7	0.4								5.5	5.8
ESE	0.4	1.0	0.0									1.7	4.8
SE	0.1	0.4	0.7									1.4	5.8
SSE	0.4	1.0	0.4									2.6	4.8
S	1.0	7.0	5.7	0.7								14.9	6.4
SSW	0.1	0.5	0.9	0.3								11.0	6.9
SW	0.7	5.0	11.2	1.7								18.9	7.5
WSW	0.7	2.0	4.7	0.0								8.1	7.6
W		1.0	1.7	0.5								3.9	7.5
WNW	0.1	2.0	2.0	0.9								5.9	7.8
W	0.1	2.0	1.0	1.1								5.2	8.0
NNW	0.1	1.0	2.0	0.0								4.3	7.8
VARIABLE													
CALM	////////////////////											7.1	////
TOTALS	5.2	39.0	41.4	7.0								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 930

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NIAGARA FALLS IAP NY REVISED UNIFORM SUMMARY OF SURFACE 2/4

WEATHER OBSERVATIONS PARTS A-F(U) AIR FORCE

ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A..

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 735287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.3	2.3	2.3	.6								5.4	7.0
NNE	.1	.8	1.2	.2								2.3	7.4
NE	.2	.8	1.0	.3								2.2	7.1
ENE	.4	1.3	.6	.3								2.5	6.0
E	.5	1.5	1.3	.1								3.5	6.1
ESE	.3	.8	.7	.2	.0							2.0	6.8
SE	.1	.8	.5	.0								1.4	5.8
SSE	.2	1.2	.6	.1								2.1	5.8
S	.7	4.2	4.1	.7	.0							9.7	6.9
SSW	.2	2.9	5.1	1.9	.1							10.2	8.3
SW	.4	3.9	8.8	6.2	.4	.1						19.7	9.4
WSW	.4	2.0	4.3	3.4	.3	.0	.0					10.4	9.6
W	.4	2.0	2.3	1.1	.1							5.9	8.0
WNW	.1	1.7	2.3	1.4	.1							5.7	8.5
NW	.1	1.6	3.0	1.6	.1							6.3	8.9
NNW	.1	1.5	2.7	1.1	.0							5.5	8.4
VARIABLE													
CALM	////////////////////////////////////											5.4	////
TOTALS	4.4	29.2	40.7	19.1	1.1	.1	.0					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.4	3.8	1.7	.1								6.0	5.9
NNE	.2	.5	.8	.1								1.6	6.3
NE	.6	1.6	1.0									3.2	5.4
ENE	1.4	2.8	.6	.2								5.1	4.9
E	1.4	3.9	1.5									6.8	5.1
ESE	.4	2.3	.4	.1								3.2	5.4
SE	.5	1.2	.9									2.6	5.5
SSE	.6	1.4	.4									2.5	5.0
S	1.3	4.5	3.1	1.2								10.1	6.3
SSW		4.5	2.5	.4								7.8	6.4
SW	.5	3.1	5.1	.5								9.2	7.1
WSW	.3	3.5	4.3	.8	.2							9.1	7.6
W	.8	4.6	1.7	1.2								8.3	6.6
WNW	.5	2.2	2.0	.5								5.3	6.7
NW	.1	.8	1.3	.4								2.6	7.9
NNW	.4	1.8	.5	.3								3.1	5.9
VARIABLE													
CALM	////////////////////											13.4	////
TOTALS	9.7	42.9	27.8	5.9	.2							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.8	1.9	.9	.3							3.9	6.1
NNE	.1	1.6	.4								2.2	5.7
NE	.4	1.6	1.0								3.0	5.5
ENE	1.5	2.9	.9	.1							5.4	5.1
E	1.6	3.9	.9								6.3	4.7
ESE	.6	2.8	.1	.1							3.7	4.6
SE	1.2	1.8	1.1	.1							4.2	5.4
SSE	.3	1.0	.5								1.8	5.5
S	.9	6.9	4.0	.2							12.0	5.9
SSW	.3	3.0	3.4	.4							7.2	6.9
SW	.4	3.8	3.4	.4							8.1	6.7
WSW	.8	3.8	3.2	.5							8.3	6.6
W	1.1	4.3	3.3	.6							9.4	6.4
WNW	.2	1.4	1.1	.6	.1						3.4	7.8
NW	.1	1.3	1.3	.6	.2						3.5	8.2
NNW	.1	1.2	1.0								2.3	6.2
VARIABLE												
CALM	////////////////////										15.4	////
TOTALS	10.4	43.1	26.5	4.3	.3						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.8	2.0	1.3	.2								4.3	6.0
NNE	.3	1.4	1.2	.3								3.2	6.6
NE	.3	.6	1.5	.3								2.8	7.3
ENE	.9	1.5	1.2	.1								3.7	5.6
E	1.3	3.3	1.2	.4								6.2	5.6
ESE	.6	2.4	.5									3.5	4.9
SE	.6	2.0	.3									3.0	4.7
SSE	.9	1.9	.6									3.4	4.8
S	.9	4.8	6.5	1.3								13.4	7.1
SSW	.8	3.1	4.5	1.2								9.6	7.4
SW	.5	2.2	4.7	1.0								8.4	7.7
WSW	.2	2.4	3.0	1.3	.2							7.1	8.3
W	.6	3.9	3.7	1.0								9.1	7.0
WNW	.3	1.3	2.3	1.3								5.2	8.6
NW	.4	1.4	1.5	.6								4.0	7.4
NNW	.3	1.6	.8	.6	.1							3.4	7.3
VARIABLE													
CALM	////////////////////											9.6	////
TOTALS	9.8	35.9	34.7	9.7	.3							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	2.0	2.0	.9							5.3	7.3
NNE	.2	1.1	1.8	.4							3.5	7.2
NE	.2	.6	1.6	.5							3.0	8.0
ENE	.6	1.1	2.3	.6							4.6	7.5
E	.3	.9	2.2	.5							3.9	7.6
ESE		1.2	1.5								2.7	6.9
SE	.2	1.3	1.5								3.0	6.3
SSE	.3	1.7	1.0								3.0	5.7
S	.4	2.4	5.4	1.2							9.4	7.9
SSW	.3	1.3	4.9	3.4							10.0	9.4
SW	.3	1.8	7.0	5.7							14.8	9.9
WSW	.2	1.8	3.5	4.1							9.7	9.6
W	.3	1.8	3.2	2.8	.1						8.3	9.2
WNW	.1	1.2	1.7	2.7							5.7	9.8
NW	.2	1.5	3.1	1.9							6.8	9.0
NNW	.3	.6	2.4	.9	.1						4.3	8.7
VARIABLE												
CALM	////////////////////										2.0	////
TOTALS	4.5	22.4	45.2	25.7	.2						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	2.3	3.0	1.2							6.6	7.8
NNE	.1	.4	2.0	1.4							4.0	9.5
NE		1.2	2.2	1.0							4.3	8.5
ENE	.3	.8	1.7	.1							2.9	6.8
E		1.5	2.3	.2							4.0	7.3
ESE		.3	.9								1.2	7.9
SE		.9	.4								1.3	6.5
SSE	.5	.4	.8								1.7	5.4
S	.3	2.2	2.0	1.2							5.7	7.5
SSW		1.2	4.6	3.3	.2						9.4	9.7
SW	.3	1.2	5.9	10.9	.6						18.9	11.4
WSW	.3	1.3	4.5	5.5	.6						12.3	10.8
W	.1	1.2	2.0	2.6	.1						6.0	9.9
WNW	.3	1.1	2.0	2.6	.4						6.5	10.3
NW		1.2	4.1	2.8							8.1	9.5
NNW	.3	1.8	3.4	1.1	.1						6.8	8.2
VARIABLE												
CALM	////////////////////////////////////										.5	////
TOTALS	2.9	18.8	41.9	33.8	2.2						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	1.6	5.6	1.0							8.3	8.2
NNE		1.8	3.7	1.1							6.6	8.1
NE		.5	4.2	1.1							5.8	9.0
ENE	.1	.5	2.3	1.1							4.0	9.1
E		.6	1.5	.1							2.3	7.7
ESE		.4	1.0								1.4	7.2
SE		.3	.3	.1							.8	7.3
SSE		.3	.3	.1							.8	6.9
S		1.2	2.2	1.0							4.3	8.4
SSW		1.2	3.0	3.8	.3						8.3	10.5
SW	.1	2.3	8.7	10.0	1.2						22.3	10.8
WSW	.1	.4	5.3	5.4	.8						11.9	11.2
W	.2	.9	1.9	2.0	.2						5.3	9.9
WAW		.4	1.9	1.8	.2						4.7	10.3
NW	.2	2.2	3.8	1.7	.2						8.1	8.6
NNW	.1	1.1	2.2	1.3	.1						4.7	8.9
VARIABLE												
CALM	////////////////////											
TOTALS	1.0	16.1	47.7	31.5	3.0							

TOTAL NUMBER

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.2	3.1	1.5	.5								5.4	6.5
NNE	.3	1.5	1.2									3.0	6.0
NE	.6	3.2	2.8	.6	.3							7.6	7.4
ENE	1.3	3.9	2.4	.6								8.2	6.1
E	.3	2.5	2.9	.5								6.7	6.8
ESE	.1	1.1	.5									1.7	5.8
SE		.6	.3									1.0	5.7
SSE		.6	.3									1.0	6.0
S	.3	5.2	4.1	.6								10.3	6.8
SSW	.1	1.7	4.7	.6								7.2	7.7
SW		3.0	12.9	4.9	.2							21.1	9.0
WSW	.4	1.6	3.3	3.0	.2							8.6	9.2
W	.3	1.0	1.9	.4								3.7	7.3
WNW	.1	1.0	1.8	1.0	.2							4.1	9.0
NW	.2	1.2	1.7	1.0	.2							4.3	8.9
NNW	.1	.8	2.3	.5								3.7	8.2
VARIABLE													
CALM	////////////////////											2.6	////
TOTALS	4.5	32.4	44.7	14.6	1.2							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	3.8	1.5	.4							6.6	5.9
NNE	.2	.5	.5		.1						1.4	7.2
NE	.2	.9	.8	.2							2.0	6.6
ENE	1.6	2.7	.5	.1							4.9	4.6
E	1.1	3.7	3.2	.2							8.2	6.0
ESE	.5	2.0	1.9	.2							4.7	6.4
SE	.4	.8	.3								1.5	4.6
SSE	.4	1.5	.4								2.4	5.0
S	.9	6.5	4.0	.5	.2						11.9	6.5
SSW	.5	3.4	4.3	.4							8.7	6.9
SW	.2	4.7	7.0	1.3							13.2	7.5
WSW	.3	2.8	4.4	1.0							8.5	7.4
W	.4	2.8	2.8	.4							6.5	6.6
WNW	.1	1.8	1.1	.5	.1						3.7	7.6
NW	.4	1.1	1.3	.5							3.3	7.2
NNW		1.7	1.8	.5							3.7	7.6
VARIABLE												
CALM	////////////////////										8.8	////
TOTALS	8.2	40.2	35.9	6.5	.4						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	2.6	2.2	.6							5.8	6.8
NNE	.2	1.1	1.5	.4	.0						3.2	7.4
NE	.3	1.3	1.9	.5	.0						4.0	7.5
ENE	1.0	2.0	1.5	.4							4.8	6.1
E	.8	2.6	1.9	.3							5.5	6.1
ESE	.3	1.6	.9	.1							2.8	5.9
SE	.4	1.1	.6	.0							2.2	5.5
SSE	.4	1.1	.6	.0							2.1	5.3
S	.6	4.2	3.9	.9	.0						9.7	6.9
SSW	.3	2.5	4.0	1.7	.1						8.5	8.2
SW	.3	2.8	6.8	4.3	.3						14.5	9.3
WSW	.3	2.2	4.0	2.7	.3						9.4	9.1
W	.5	2.6	2.6	1.4	.1						7.1	7.7
WNW	.2	1.7	1.7	1.4	.1						4.8	8.9
NW	.2	1.3	2.3	1.2	.1						5.1	8.6
NNW	.2	1.3	1.8	.7	.1						4.0	7.8
VARIABLE												
CALM	////////////////////										6.6	////
TOTALS	6.4	31.5	38.1	16.5	1.0						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 56	TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			
N	.1	2.5	2.0	.1								5.3	6.3
NNE	.6	1.2	.9									2.7	5.5
NE	.9	1.3	1.0	.2								3.4	5.7
ENE	1.0	1.6	2.0	.4								5.0	6.6
E	1.7	3.2	3.0	.4								8.7	6.2
ESE	.3	3.3	.4									4.1	5.1
SE	.2	2.2	.6									3.0	5.3
SSE	.3	1.2	.7	.1								2.3	6.0
S	.9	5.3	3.1	2.3	.1							11.7	7.3
SSW	.2	2.5	2.9	1.4								7.8	8.0
SW	.8	1.9	4.6	1.6	.2							9.2	8.3
WSW	.2	1.7	3.2	1.1								6.2	8.1
W	.4	3.6	3.4	1.0								8.7	7.0
WNW	.5	1.4	1.5	.4								4.3	7.2
NW		1.4	1.2	.6	.1	.1						3.4	8.4
NNW	.4	1.1	.8	.4	.1							2.9	7.2
VARIABLE													
CALM	////////////////////////////////////											11.2	////
TOTALS	8.8	36.6	31.7	11.1	.6	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	1.2	1.3	.3							3.8	6.5
NNE	.2	1.3	.7	.1							2.3	5.9
NE	.4	1.4	1.3	.7							3.9	6.4
NNE	1.0	1.8	1.2	.4							4.4	6.3
E	.7	4.7	2.2	.6							7.7	6.1
ESE	.7	3.4	1.3	.7							5.7	5.6
SE	.4	1.3	.6								2.3	5.1
SSE	.7	1.4	.6	.1							2.8	5.2
S	1.0	4.4	4.6	1.8							11.8	7.3
SSW	.7	2.7	3.6	1.1							8.0	7.3
SW	.3	2.4	2.7	1.6	.7						7.2	8.2
WSW	.5	2.4	3.6	1.6	.7						8.3	8.2
W	.3	2.6	4.6	.8							8.2	7.7
WNW	.2	1.7	1.7	.7							4.2	7.5
NW	.2	1.2	1.1	.7	.3						3.1	8.1
NNW	.3	.8	1.1	.7							2.9	7.5
VARIABLE												
CALM	////////////////////										13.3	////
TOTALS	9.3	34.4	32.0	10.4	.8						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	1.4	1.4	.6							3.9	7.2
NNE	.1	1.2	1.1	.4							2.9	7.1
NE	.4	1.2	1.3	.9							3.9	7.7
ENE	.3	1.3	1.3	.4							4.3	7.1
E	1.0	4.2	1.9	.7	.1						7.6	6.0
ESE	.5	2.3	1.0	.2							4.1	5.4
SE	.2	3.4	1.1								4.8	5.5
SSE	.9	2.3	.3								3.6	4.6
S	1.1	4.2	5.0	2.7							12.3	7.3
SSW	.3	1.3	5.1	1.2							8.7	8.6
SW	.3	1.3	2.1	1.7	.2						5.7	9.0
WSW	.2	2.0	3.6	1.8							7.6	8.5
W	.4	3.3	3.7	1.2	.3						9.1	8.1
WNW	.1	1.1	1.7	1.2	.1						4.2	9.2
WW	.1	1.1	1.8	.6							3.6	7.7
NNW	.1	.6	.9	.6							2.1	8.8
VARIABLE												
CALM	////////////////////										11.8	////
TOTALS	7.2	32.6	33.3	14.3	.8						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	1.2	1.4	1.3	.1						4.2	9.0
NNE	.1	.4	.9	1.0							2.4	9.0
NE	.3	1.1	1.8	1.4							4.7	8.6
ENE	.4	1.1	1.9	.4							3.9	7.3
E	.4	2.1	2.1	1.1	.1						5.9	7.8
ESE	.2	.9	.7	.2							2.0	6.7
SE	.2	1.1	1.1	.1							2.6	6.8
SSE	.2	1.3	.4	.1							2.1	6.0
S	.6	2.7	6.3	2.4	.2						12.2	8.6
SSW	.2	1.3	3.4	5.1							10.1	10.1
SW	.2	2.1	3.1	5.2	1.1	.1					11.9	11.1
WSW	.2	1.4	3.7	3.2	.6						9.1	10.2
W	.3	1.7	3.7	2.7	.6						8.9	9.6
WNW		1.1	3.6	1.8	.3						6.8	9.8
NW		1.0	3.3	1.7	.1						6.1	9.2
NNW		1.0	2.0	1.2							4.2	8.7
VARIABLE												
CALM	////////////////////										2.9	////
TOTALS	3.7	21.7	39.4	29.1	5.1	.1					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	1.4	3.6	.9							6.2	8.1
NNE		1.0	2.3	.9							4.2	8.5
NE	.1	1.1	1.6	.9							3.7	8.1
ENE		1.2	1.4	1.1							3.8	8.6
E	.1	1.6	2.1	.9							4.7	7.9
ESE	.2	.4	.4	.4							1.9	6.8
SE		.4	.2								.7	5.8
SSE	.2	1.0	.4	.3							2.0	6.7
S	.3	.8	5.9	1.8	.2						9.0	9.2
SSW	.2	.7	4.4	3.2	.2						8.8	10.1
SW	.1	.8	5.7	7.7	1.4	.1					15.8	11.7
WSW	.7	1.0	3.1	4.9	1.0	.3					10.9	11.4
W	.1	1.6	2.8	3.9	.2						8.6	10.3
WNW		1.1	2.9	2.7	.2	.1					6.7	10.3
NW		1.2	4.4	2.7	.2						8.6	9.9
NNW		.8	2.2	1.0							4.0	9.3
VARIABLE												
CALM	////////////////////										.7	////
TOTALS	2.4	16.4	43.6	32.8	3.6	.6					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	.4	2.4	4.6	.9				8.3	7.4
NNE	.2	1.7	3.1	1.1				5.8	8.1
NE		1.6	1.8	1.0				4.6	8.2
ENE		.9	2.9	1.0				4.8	8.3
E	.2	1.2	2.2	.8	.1			4.6	7.8
ESE		.7	.6	.1				1.3	6.9
SE		.1	.3					.4	6.8
SEF		.7		.1	.1			.9	7.4
S		1.9	2.8	1.6	.2			6.7	9.2
SSW		1.2	4.3	3.3				8.9	9.9
SW	.4	2.2	6.3	8.9	.7			18.6	10.8
WSW		.8	2.9	5.1	.9			9.7	11.7
W	.3	1.1	2.2	2.4	.3	.1		6.6	10.3
WNW		.5	2.1	3.0	.4			6.4	10.8
NW	.3	.9	3.2	2.1				6.6	9.3
NNW	.2	1.8	2.4	1.2				5.7	8.0
VARIABLE									
CALM	////////////////////							.3	////
TOTALS	2.2	19.9	41.8	32.9	2.8	.1		100.0	9.5

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	3.0	2.4	.2	.1						6.4	6.4
NNE	.6	2.2	1.1	.3							4.2	6.3
NW	.2	4.0	2.0	.1	.1						6.4	6.3
ENE	.7	4.2	3.0	.1							8.0	5.9
E	.2	3.4	2.1	1.0							6.8	7.0
ESE	.4	1.0	.7	.2							2.3	6.0
SE	.2	1.2	.1								1.6	4.7
SSE	.1	.7	.4	.2							1.4	7.2
S	.3	4.6	3.2	1.9	.2						10.2	7.8
SSW	.1	2.4	4.4	.9							7.9	7.8
SW	.2	2.4	6.6	3.2							12.8	8.5
WSW	.1	1.9	4.4	3.2	.1						9.8	9.5
W	.2	2.0	3.2	1.2							6.8	8.1
WNW	.1	2.0	2.0	1.2							5.3	8.0
Ww	.4	1.2	1.2	.6	.1						3.6	7.4
NNW		1.4	1.3	.7		.1					3.6	8.7
VARIABLE												
CALM	////////////////////										2.9	////
TOTALS	4.7	36.1	38.3	15.2	.7	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 735287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.0	3.7	3.0	.4							7.7	6.5
NNE	.3	1.6	1.0	.7							3.2	6.6
NE	.4	.6	.6	.1							1.9	5.6
ENE	.9	1.0	1.4	.4							4.6	6.3
E	1.2	4.4	3.7	.6							10.1	6.3
ESE	.7	1.0	1.7	.2							4.3	6.2
SE	1.3	1.7	.3								3.0	4.9
SSE	.4	1.6	.4								2.4	5.0
S	.6	6.1	4.4	1.6	.2						13.1	7.2
SSI	.1	2.0	3.4	1.1	.2						7.6	8.5
SE	.6	3.7	4.2	1.2	.1						9.3	7.7
WSW	.1	1.7	3.4	1.7							6.2	8.6
W	.7	3.2	3.3	.4							7.7	6.9
WNW	.3	1.4	2.8	.9							5.4	7.8
NW	.2	.7	1.1	.2	.1						2.3	8.0
NNW		1.2	1.3	.6							3.1	7.8
VARIABLE												
CALM	////////////////////										8.0	////
TOTALS	8.3	36.4	36.2	10.3	.7						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	.5	2.2	2.5	.6	.0			5.7	7.1
NNE	.3	1.3	1.4	.5				3.5	7.3
NE	.4	1.6	1.4	.6	.0			4.1	7.2
NNE	.5	1.7	1.9	.6				4.8	6.9
E	.7	3.1	2.4	.6	.0			7.0	6.7
ESE	.4	1.8	.8	.2				3.2	5.9
SE	.3	1.4	.5	.0				2.3	5.5
SSE	.4	1.7	.4	.1	.0			2.2	5.7
S	.6	3.7	4.4	1.5	.2			10.9	7.9
SSW	.2	1.8	4.0	2.4	.1			8.5	8.9
SW	.4	2.1	4.4	3.9	.5	.0		11.3	9.8
WSW	.3	1.6	3.5	2.4	.3	.0		8.5	9.7
W	.4	2.4	3.4	1.7	.2	.0		8.1	8.5
WNW	.2	1.7	2.3	1.4	.1	.0		5.4	9.0
W	.2	1.1	2.2	1.1	.1	.0		4.7	8.8
WNW	.1	1.1	1.5	.5	.0	.0		3.6	8.3
VARIABLE									
CALM	////////////////////							6.4	////
TOTALS	5.4	29.0	37.0	19.1	1.6	.1		100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 7300

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.3	2.5	1.4	.9		.2						5.3	7.6
NNE	.3	1.3	.8	.2								2.6	6.5
NE	.5	2.2	.8	.2								3.7	5.7
ENE	1.7	2.9	.8									5.4	4.6
E	1.6	6.6	2.7	.2								11.1	5.7
ESE	.5	3.7	1.0									5.3	5.3
SE	.2	1.7	.5									2.0	5.2
SSE	.1	.6	.6									1.4	6.5
S	.6	2.3	4.7	2.3								9.9	8.4
SSW	.1	1.2	2.3	1.5								5.1	9.0
SW	.3	1.1	2.7	2.7	.5							7.3	10.4
WSW	.2	2.2	2.6	1.7		.1						6.8	8.4
W	.1	2.9	5.2	5.4	.5							14.1	9.9
WNW	.3	2.0	2.2	1.1	.1							5.7	8.1
NW	.2	1.0	2.5	1.2								4.8	8.6
NNW		.5	1.6	.5								2.7	8.6
VARIABLE													
CALM	////////////////////											7.0	////
TOTALS	7.4	34.1	32.2	17.8	1.2	.3						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705287 STATION NAME: NIAGARA FALLS IAF NY

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.5	2.4	1.7	.2	.1						4.9	6.5
NNE	.3	.9	.3	.1							1.6	5.9
NE	.3	.8	1.4	.1							2.6	6.6
NNE	1.7	3.3	.8								5.4	4.5
E	1.5	7.5	3.2	.1							12.5	5.5
ESE	.4	2.7	1.3	.3							4.7	5.9
SE	.3	1.0	.4								1.7	5.1
ESE	.4	1.2	.8								2.5	5.6
S		1.8	5.3	1.4							8.9	8.4
SSW	.1	1.1	2.3	1.2	.1						4.7	8.6
SW	.1	1.7	2.8	3.3	.6						8.6	10.3
WSW	.5	2.0	2.5	1.5	.1						6.7	8.2
W	.2	3.0	5.8	3.9	.3	.3					13.5	9.6
WNW	.2	1.4	1.4	.6	.1						3.8	7.8
NW	.2	1.0	1.6	1.1	.1						4.0	8.8
NNW		1.5	1.8	.6	.1						4.5	7.9
VARIABLE												
CALM	////////////////////										9.4	////
TOTALS	6.6	33.8	33.3	15.1	1.6	.3					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	2.2	1.2	.4							4.2	6.2
NNE	.1	1.5	.6	.2							2.5	6.3
NE	.2	1.1	1.1	.5							2.9	7.3
ENE	1.0	2.5	1.5	.9							5.8	6.4
E	1.3	5.7	2.5	.1							9.6	5.6
ESE	.5	4.3	1.9								6.8	5.7
SE	.5	1.9	1.3	.2							4.0	6.4
SSE	.3	1.5	.6	.3							2.8	6.2
S	1.1	3.7	3.8	1.9							10.3	7.5
SSW	.7	1.7	2.3	1.0	.3	.1					5.1	9.3
SW	.1	1.8	1.7	3.2	.6	.1					7.6	10.8
WSW	.1	1.7	2.4	2.2	.5	.1					7.0	10.1
W	.1	1.6	5.6	4.2	.3	.1					11.9	10.0
WNW	.1	1.7	1.2	.9	.2						4.1	8.8
NW	.2	1.1	1.3	.8	.1						3.4	8.4
NNW		.9	1.3	1.0							3.1	9.1
VARIABLE												
CALM	////////////////////////////////////										8.9	////
TOTALS	6.3	34.3	30.2	17.6	2.2	.4					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	1.2	2.0	.8							4.1	8.1
NNE	.2	1.2	1.8	.4							3.7	7.5
NE	.2	.5	1.2	.8							2.7	8.4
ENE	.1	.6	2.3	1.7							4.7	9.2
E	.1	2.2	4.6	1.9							8.8	8.5
ESE	.1	1.5	1.7	.2							3.5	7.0
SE		1.0	1.2	.5							2.7	8.1
SSE	.5	1.2	1.5	.3							3.5	6.8
S	.4	2.7	5.3	2.1	.1						11.6	8.9
SSW		1.4	2.4	2.6							6.7	10.0
SW	.1	.5	3.7	4.5	1.7	.5	.1				11.2	12.9
WSW	.3	.6	2.9	3.4	.3	.4					8.5	11.7
W		1.0	3.5	5.9	.8	.1					11.3	11.4
WNW	.1	.5	2.2	3.4	.3						7.0	11.2
NW	.1	.4	2.0	1.6	.3						4.5	10.5
NNW	.1	.5	1.2	1.5	.2						3.3	10.1
VARIABLE												
CLM	////////////////////										2.2	////
TOTALS	2.6	17.1	29.5	33.3	4.2	1.1	.1				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(UST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	1.9	2.3	1.1							5.5	7.9
NNE	.2	1.2	1.3	.4							3.1	7.4
NE	.1	1.0	1.4	.8							3.2	8.0
ENE		1.9	2.6	1.5							6.0	8.5
E	.2	2.3	3.7	1.5							7.6	8.3
ESE		1.0	.5	.2							1.7	6.9
SE		.3	1.0	.1							1.4	8.1
SSE		.6	.9	.6	.2						2.4	10.0
S	.2	1.3	3.4	2.6	.1						7.6	9.5
SSW		.4	2.3	3.0	.4						6.1	11.5
SW	.1	.5	4.1	6.5	1.6	.5	.3				13.7	13.0
WSW		.4	2.6	5.6	1.5	.9					11.0	13.8
W		.6	3.3	7.3	1.1						12.4	12.2
WNW		1.3	2.4	3.2	.4						7.3	10.7
NW	.1	1.1	2.4	2.4	.3						6.2	10.3
NNW		.8	2.2	1.0							3.9	9.1
VARIABLE												
CALM	////////////////////										.9	////
TOTALS	1.2	16.7	36.1	37.7	5.7	1.4	.3				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N		2.3	1.9	.6							4.8	7.1
NNE	.1	1.0	3.4	.3							4.8	7.9
N E		1.0	3.0	1.2	.1						6.1	8.3
ENE		1.9	3.7	.9							6.3	8.0
E		1.2	2.4	2.0							5.6	9.5
ESE	.1	.6	.3	.7							1.4	6.9
SE		.7	.3	.3							.9	9.6
SSE		1.0	1.2	.2	.1						2.5	7.9
S	.2	1.5	2.5	1.6	.1						6.2	8.5
SSW	.2	.8	2.2	1.7	.4						5.5	10.4
SW		1.2	4.4	7.3	1.3	.4					14.6	11.9
WSW	.2	.9	2.3	5.9	1.7	.7	.1				11.4	13.1
W	.2	1.2	2.7	4.2	.8	.2	.1				9.4	11.5
WNW		.6	2.4	4.3	.7	.1					7.7	11.8
NW	.1	2.5	2.5	1.4	.2						7.1	8.5
NNW	.2	1.5	2.2	.7							4.7	7.9
VARIABLE												
CALM	////////////////////										.9	////
TOTALS	1.4	20.6	37.2	33.7	5.1	1.1	.2				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	2.0	1.3	.8							4.3	7.2
NNE	.5	1.4	1.3	.1							3.8	6.1
NE	.2	2.8	1.7	.2							4.9	6.3
NNE	.2	5.2	3.0	.1							8.5	6.1
E	1.2	3.5	2.9	1.3							8.9	7.0
ESE	.1	.6	.9	.2	.1						2.0	7.6
SE	.2	1.7	1.2								2.7	6.4
SSE	.4	1.8	1.1	.2							3.5	6.0
S	.4	3.0	2.6	1.0	.2						7.2	7.6
SSW		2.2	1.9	.9							4.9	7.6
SW		1.7	5.9	2.7	.3						10.6	9.4
WSW		1.4	3.0	5.4	.4	.3					10.5	11.4
W	.2	1.5	3.9	4.4	.5						10.5	10.4
WNW	.2	1.0	2.4	1.6	.2	.1					5.5	10.0
W	.3	.8	.9	2.2	.4						4.5	10.9
WNW	.2	1.2	1.3	.8	.1						3.5	8.0
VARIABLE												
CALM	////////////////////										3.9	////
TOTALS	4.7	31.7	35.2	21.7	2.4	.4					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	.4	2.4	1.9	1.0				5.7	7.5
NNE	.2	.6	1.0	.2				2.0	7.4
NE	.5	1.1	.4	.1				2.3	5.4
ENE	1.0	2.9	.6	.1				4.6	4.9
E	1.2	4.9	5.3	1.0				12.4	6.8
ESE	.4	2.3	1.3	.2				4.2	6.2
SE	.1	1.5	1.4	.1				3.1	6.6
SSE	.1	1.2	1.3	.1				2.7	6.7
S	.9	2.2	3.0	2.6				8.6	8.3
SSW		.3	1.9	1.7				4.0	10.5
SW	.2	1.4	2.4	2.5	.2	.1		7.2	10.2
WSW	.3	1.9	4.3	2.3	.1	.1		9.0	9.3
W	.2	2.6	5.6	4.2	1.0			13.5	9.9
WNW	.1	1.7	2.6	1.7	.5			6.7	9.4
NW	.1	1.0	1.6	1.1		.2		4.0	9.8
NNW	.1	.4	1.9	.6				3.1	8.8
VARIABLE									
CALM	////////////////////							6.9	////
TOTALS	6.0	28.4	36.6	19.9	1.9	.4		100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	2.1	1.7	.7	.0	.0					4.9	7.3
NNE	.3	1.2	1.3	.3							3.0	7.0
NF	.3	1.4	1.4	.5	.0						3.5	7.1
ENE	.7	2.7	1.9	.6							5.8	6.6
E	.9	4.7	3.4	1.0							9.6	6.8
ESE	.3	2.1	1.1	.2	.0						3.7	6.2
SE	.2	1.1	.9	.2							2.3	6.7
SSE	.2	1.2	1.0	.2	.0						2.7	6.9
S	.5	2.3	3.8	2.1	.1						8.8	8.4
SSW	.1	1.1	2.2	1.8	.2	.0					5.3	9.7
SW	.1	1.2	3.5	4.1	.9	.2	.1				10.1	11.3
WSW	.2	1.4	2.8	3.5	.6	.3	.0				8.9	11.1
W	.1	1.8	4.4	4.7	.7	.1	.0				12.1	10.6
WNW	.1	1.7	2.1	2.2	.3	.3					6.0	10.0
NW	.2	1.1	1.8	1.5	.2	.0					4.8	9.5
NNW	.1	1.0	1.7	.5	.1						3.6	8.6
VARIABLE												
CALM	////////////////////										5.0	////
TOTALS	4.5	27.1	35.0	24.6	3.0	.7	.1				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	2.6	1.7	.4							5.2	6.7
NNE		.4	1.1	.2							1.8	8.8
NE	.3	.6	.4	.1							1.7	5.9
ENE	.3	1.7	1.6	1.4							5.0	8.3
E	1.1	3.3	3.7	1.4	.1						9.7	7.3
ESE	.4	2.2	1.2	.1	.1						4.1	6.7
SE	.7	.8	.7								1.7	5.7
SSE	.2	1.3	.7								2.2	5.5
S	.7	3.2	2.6	2.7	.1	.1					9.3	8.3
SSW	.3	.5	1.8	2.2	.4						5.7	10.0
SW	.1	1.1	1.7	2.7	.7						5.6	10.5
WSW	.2	1.4	1.7	3.7	.4	.3	.2				7.3	11.8
W	.4	3.1	6.9	8.1	1.2	.3					20.1	10.8
WNW	.1	1.4	2.6	2.7	.1						6.9	9.5
NW		1.0	1.4	1.6							4.2	9.7
NNW	.1	.5	1.1	1.6							4.0	9.9
VARIABLE												
CALM	////////////////////										5.6	////
TOTALS	5.2	26.2	30.7	26.1	3.2	.9	.2				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.1	1.8	1.1	1.0								4.0	7.5
NNE	.1	.8	.7	.7								2.2	8.2
NE	.2	.6	.4	.7								1.9	7.9
NNE	.3	1.5	.9	1.4								4.6	7.8
E	.7	4.4	2.2	2.2	.4							10.0	7.8
ESE	.2	3.1	1.2	.9								5.4	6.9
SE	.1	1.1	.8	.1								2.1	6.4
SSL	.3	1.0	.8									2.1	6.3
S	.4	2.2	3.7	1.8	.2	.1						8.4	8.7
SSW	.1	.8	2.0	2.1	.1							5.1	10.3
SW	.2	1.1	2.1	2.1	.3	.2						6.1	10.7
WSW	.3	1.4	2.8	3.1	1.3	.3						9.3	11.4
W	.7	3.6	7.0	6.4	1.1	.1						18.6	10.2
WNW		2.0	2.3	2.0	.1							6.4	8.8
NW		.7	1.0	2.2	.3							3.8	12.0
NNW		.7	1.4	1.7								3.8	10.2
VARIABLE													
CALM	////////////////////											6.1	////
TOTALS	3.6	26.7	30.4	28.4	4.0	.8						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	2.4	1.1	.5							4.9	6.9
NNE	.3	.7	.3	.2							1.7	6.9
NE	.6	1.0	.7	.6							2.8	7.5
ENE	.8	1.4	1.0	1.1	.2						4.6	8.0
E	.7	3.5	3.4	2.6	.4						11.0	8.3
ESE	.1	2.7	1.6	.2							4.6	6.3
SE	.1	1.4	.4	.2							2.2	6.2
SSE		.6	1.0	.2	.1						1.9	8.4
S	.6	2.4	3.4	2.3	.6	.1					9.4	9.1
SSW		.7	2.1	2.3	.3						5.4	10.8
SW	.1	.7	1.8	3.2	.1						5.9	10.9
WSW	.2	1.4	4.0	2.9	.8	.2					9.6	10.6
W	.1	2.4	6.2	7.0	1.2						17.0	10.7
WNW	.4	1.1	1.2	2.0	.3						5.1	9.4
NW	.2	.6	.8	2.6	.2						4.4	11.3
NNW	.1	.5	1.2	1.7							3.9	9.8
VARIABLE												
CALM	////////////////////										5.7	////
TOTALS	4.8	24.3	30.3	30.1	4.4	.3					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS (LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	.9	1.1	.7							2.7	8.5
NNE	.1	1.0	1.1	1.3							3.6	9.0
NE	.2	.9	1.6	.8	.1	.1					3.7	9.0
ENE		.9	1.1	.6	.3						2.9	9.5
E	.2	1.7	3.2	2.1	.2						7.4	9.3
ESE	.1	.7	2.6	1.1	.1						4.6	8.7
SE	.1	.2	1.4	.1							2.4	7.5
SSE	.1	.9	.7	.2		.1					2.0	7.7
S	.3	2.1	4.0	3.0	.3	.1					10.4	9.7
SSW	.2	1.1	2.2	3.9	.4	.1					8.0	10.9
SW	.2	.9	2.3	3.9	.6						7.9	11.4
WSW	.2	.7	2.3	4.7	1.8	.2					9.9	12.9
W	.1	.8	3.3	8.7	1.6	.1					14.2	12.3
WNW	.2	1.0	2.4	2.4	.9						7.0	10.7
NW	.2	.6	2.3	2.1	.9	.2					6.3	11.5
NNW		.6	1.2	2.0							3.8	10.6
VARIABLE												
CALM	////////////////////										3.2	////
TOTALS	2.6	15.2	33.0	37.4	7.2	1.0					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N		1.1	1.7	.7							3.4	8.5
NNE	.1	1.4	1.3	.3	.1						3.3	7.2
NE		.7	1.2	.4	.2						2.6	9.3
ENE		.8	1.3	.9	.3						3.3	9.7
E	.1	1.1	3.8	2.4							7.4	9.4
ESE	.1	.2	1.8	.6							2.8	8.6
SE		.2	.9	.6							1.9	9.6
SSE		.5	.2	.6							1.7	8.2
S		1.3	3.1	2.9	.2	.3					7.9	10.5
SSW		.4	3.3	3.1		.2					7.1	10.9
SW	.1	1.6	2.1	6.8	1.8						12.3	12.3
WSW	.1	.4	1.9	5.2	2.1	.6					10.3	14.0
W	.2	1.1	2.7	7.8	1.9						13.7	12.6
WNW	.3	.5	3.2	5.1	.6	.1					10.2	11.2
NW	.1	1.2	1.9	2.3	1.1	.1					6.9	11.5
NNW		.6	1.8	.8							3.1	9.5
VARIABLE												
CALM	////////////////////										2.0	////
TOTALS	1.2	14.2	32.2	40.7	8.3	1.3					100.0	10.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	1.7	2.3	.4	.1						4.7	7.7
NNE	.1	.6	1.1	.2	.1						2.1	8.0
NE	.1	2.0	1.6	.8							4.4	7.8
ENE		1.2	1.4	1.9							4.4	9.6
E	.2	2.9	3.2	2.2							8.6	8.5
ESE	.1	.1	1.0	.9							2.1	9.7
SE		.6	.6	.1							1.2	7.4
SSE	.1	.4	.2	.4		.1					1.3	9.3
S	.3	1.1	2.0	2.4	.4	.2					6.6	10.7
SSW		1.5	2.1	3.1		.1					7.2	10.0
SW	.1	1.1	3.3	5.7	1.2	.3					11.8	12.0
WSW		.8	2.2	5.2	1.2	.4					9.9	12.9
W	.2	.7	3.2	8.9	1.1	.1					14.2	12.3
WNW	.3	1.1	2.8	3.1	1.0						8.3	10.8
NW	.1	2.0	2.1	2.7	.2	.1					7.2	9.7
NNW	.5	1.0	1.4	1.6							4.3	8.7
VARIABLE												
CALM	////////////////////										1.6	////
TOTALS	2.2	19.1	30.7	39.6	5.4	1.4					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725207 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 56	TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			
N	.3	2.0	1.7	.7								4.7	7.1
NNE	.2	1.0	.3	.2								1.8	5.6
NE	.3	1.6	.6	.2								3.3	7.3
ENE	.6	3.9	2.4	1.4								8.3	7.1
E	.2	2.1	5.2	1.7								8.9	8.3
ESE	.1	1.2	2.0	.6								3.9	7.8
SE		1.0	.6									1.8	6.4
SSE	.1	1.0	1.0	.6								2.7	8.1
S	.2	2.6	1.9	2.2	.3	.7						8.1	9.9
SSW		1.4	2.2	1.7	.1							5.4	9.2
SW		.7	2.9	3.4	.8	.2						8.0	11.7
WSW		1.4	2.2	3.1	.4	.2	.3					7.8	11.9
W	.2	2.6	5.9	6.1	1.0							17.8	10.7
WNW	.1	.8	2.2	2.3	.4	.2						6.1	11.0
NW	.1	.8	1.6	1.3	.2							4.0	10.0
NNW		.8	1.4	2.3	.1							4.7	10.6
VARIABLE													
CALM	////////////////////////////////////											2.8	////
TOTALS	2.6	24.4	34.3	30.9	3.4	.9	.3					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	1.7	1.2	.6							4.0	7.5
NNE	.3	.9	.1	.3							1.7	6.3
NE	.2	1.3	.3	.6							2.4	6.7
ENE	.4	2.7	1.4	1.0							5.6	7.1
E	.3	4.6	3.9	1.6							10.8	7.3
ESE	.2	2.2	1.9	.2							4.6	6.6
SE		1.0	.8								2.2	6.6
SSE	.2	.9	1.1	.1							2.3	6.4
S	.3	2.4	2.7	2.1	.1	.1					7.8	8.7
SSW		1.0	2.4	2.4		.1					6.0	9.9
SW	.1	.7	2.1	3.8	.9						7.6	11.9
WSW	.1	1.3	2.4	2.8	.4	.6					7.7	11.7
W	.3	2.6	6.8	7.7	1.2	.2					18.8	10.9
WNW		1.6	2.2	1.9	.4						6.3	9.5
NW	.2	.7	1.3	1.6		.1					3.9	10.1
NNW		1.1	1.7	2.4	.1						5.3	10.3
VARIABLE												
CALM	////////////////////										3.1	////
TOTALS	7.7	27.3	32.4	29.1	3.2	1.1					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(1ST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.2	1.7	1.5	.7	.0							4.2	7.5
NNE	.2	.8	.8	.5	.0							2.3	7.7
NE	.2	1.1	.8	.6	.0	.0						2.8	7.8
ENE	.3	1.8	1.4	1.2	.1							4.8	8.1
E	.5	3.0	3.6	2.0	.2							9.2	8.2
ESE	.2	1.6	1.7	.6	.0							4.0	7.5
SE	.1	.5	.8	.2								1.9	6.9
SSE	.1	.6	.7	.2	.0	.0						2.0	7.4
S	.4	2.2	2.9	2.0	.2	.2						8.5	9.4
SSW	.1	1.0	2.3	2.0	.2	.1						6.2	10.3
SW	.1	1.0	2.3	3.4	.8	.1						8.1	11.6
WSW	.2	1.1	2.4	3.7	1.1	.4	.1					9.0	12.2
W	.2	2.1	5.2	7.8	1.3	.1						16.8	11.2
WNW	.2	1.2	2.4	2.7	.5	.0						7.1	10.2
NW	.1	.5	1.6	2.1	.4	.1						5.1	10.7
NNW	.1	.8	1.4	1.8	.0							4.1	10.0
VARIABLE													
CALM	////////////////////											3.7	////
TOTALS	3.2	22.2	31.8	33.1	4.9	1.0	.1					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 735287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	1.5	1.3	.3	.1						4.1	7.7
NNE	.1	.3	1.0	.2							1.6	7.9
NE		.5	1.0	.2							1.7	8.3
NNE	.2	1.7	.5	.2							3.2	7.2
E	.3	3.7	3.2	1.7	.1						8.7	7.7
ESE	.1	1.6	1.3	.1							3.1	6.7
SE	.2	1.2	.3								1.7	4.9
SSE	.2	.9	.4	.1							1.6	6.1
S	.3	1.8	2.1	1.8	.2						7.3	8.8
SSW	.2	.9	1.9	2.0	.4						5.5	10.5
SW	.3	1.5	1.5	4.0	.9	.5					8.7	12.2
WSW		1.6	4.0	4.4	2.6	.4					13.5	12.6
W	.1	3.7	6.2	10.6	3.5	.2					24.4	11.7
WNW	.1	.9	1.0	1.5	.2	.3					4.0	11.1
NW	.1	.2	1.3	1.1	.1	.3	.1				3.3	12.1
NNW	.1	1.7	1.6	1.0	.2		.1				4.3	9.4
VARIABLE												
CALM	////////////////////										3.1	////
TOTALS	2.9	23.0	29.7	30.9	8.4	1.8	.2				100.0	10.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N		2.0	1.1	1.0	.1							4.2	8.1
NNE	.1	.3	.3	.4								1.2	8.2
NE	.1	.6	.6	.7								1.7	7.1
ENE	.4	1.6	.2	.9								3.1	7.2
E	1.1	4.2	2.5	1.7								9.5	7.0
ESE	.1	2.5	2.7									5.3	6.7
SE	.1	.8	.6									1.5	6.2
SSE		.6	.3									1.0	6.2
S	.3	2.7	2.7	1.8	.3							8.1	8.4
SSW	.1	1.3	1.0	2.3	.2							4.8	10.2
SW	.3	1.2	2.0	2.5	1.0	.3						7.3	11.6
WSW		1.4	3.2	6.2	2.4	.8	.1					14.5	12.8
W	.3	3.5	7.4	10.1	3.0	.6						25.1	11.7
WNW		1.7	1.0	.6	.5	.1						4.0	9.5
NW		.5	1.0	.4	.2	.1	.1					2.4	10.6
NNW		.5	1.2	1.5	.1	.1						3.4	10.8
VARIABLE													
CALM	////////////////////											3.0	////
TOTALS	7.5	26.2	27.8	29.4	7.8	2.0	.2					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N		1.2	.9	.4	.1						2.6	7.8
NNE		.1	.4	.3							.9	8.9
NE	.2	.3	.3	.4	.1						1.4	8.8
ENE	.6	1.4	1.3	.3							3.7	6.4
E	1.3	2.6	3.1	3.0	.1						10.1	8.3
ESE	.5	2.2	1.6	.4							4.7	6.5
SE	.2	.6	.8								1.6	6.1
SSE	.2	1.3	.9	.2							2.6	6.1
S	.4	2.4	3.2	2.5	.3						8.8	8.6
SSW		1.3	1.4	2.0	.5						5.3	11.0
SW		1.5	1.7	2.2	2.2	.2					7.8	12.4
WSW		1.7	2.9	4.0	1.6	.5					11.4	12.1
W	.3	4.0	6.5	9.5	2.9	.2					23.4	11.3
WNW		1.7	1.1	1.7	.9	.1					5.1	11.4
WW		.6	.5	1.4	.3	.3					3.8	12.4
NW	.3	.9	.5	1.7							3.4	9.1
VARIABLE												
CALM	////////////////////										3.6	////
TOTALS	4.2	23.4	27.1	31.3	5.0	1.4					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 929



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.3	.2	.8	.4	.1							1.8	8.7
NNE		.1	.3	.5	.2							1.2	11.6
NE	.2	.5	.4	.2	.1							1.5	7.7
ENE	.3	1.1	1.1	.3	.1							2.9	7.4
E	.3	2.0	3.4	3.4	.4							9.7	9.8
ESE		1.7	1.5	.2								3.4	6.7
SE	.1	.9	.6	.3								1.9	6.9
SSE	.2	1.7	1.2	.4								3.5	7.0
S	.1	1.9	3.9	2.7	.5							9.1	9.6
SSW		.5	1.5	2.7	.8	.2						6.0	12.2
SW	.4	1.0	1.2	2.6	1.9	.2						7.3	12.8
WSW		1.1	2.9	4.9	2.7	.8	.2					12.6	13.6
W	.3	2.2	6.0	10.4	3.1	.6	.1					23.1	12.2
WNW		1.5	1.9	1.7	.6	.1						6.0	10.6
NW		.3	1.7	1.9	.2	.1						3.9	10.9
NNW		.5	.9	1.0	.2	.1						3.3	11.1
VARIABLE													
CALM	////////////////////											2.6	////
TOTALS	2.4	17.6	29.4	34.4	11.2	2.2	.3					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-2	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N		.4	1.2	1.0	.2							2.8	10.1
NNE	.2	.5	.6	.3								1.7	7.6
NE		.5	.3	.5								1.4	8.7
ENE	.3	1.2	1.3	.9	.1							3.7	8.1
E	.1	1.5	2.9	3.2	.1							7.8	9.9
ESE		1.1	.5	.4								2.0	7.3
SE	.1	1.1	.2	.2								1.6	6.5
SSE	.2	1.2	1.6	.5	.1							3.7	7.9
S	.2	2.0	3.5	2.0	.1							8.0	9.1
SSW		1.3	1.7	2.5	1.3	.1						6.9	11.9
SW		.5	3.2	4.0	2.9	.6						11.5	13.3
WSW		.5	1.5	6.3	3.2	1.2						12.8	15.2
W	.2	.9	4.2	10.2	3.9	.9	.1	.1				20.4	13.7
WNW		.6	2.2	3.7	.9							7.2	11.8
NW	.1	.4	1.5	1.5	.3	.2						4.1	11.2
NNW	.1	.6	1.4	1.0	.2	.1						3.4	9.8
VARIABLE													
CALM	////////////////////											1.0	////
TOTALS	1.6	14.9	28.0	38.2	13.1	3.1	.1	.1				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(1ST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	1.0	1.1	.9							3.3	7.9
NNE		.8	.4	.1							1.3	7.2
NE	.1	1.0	1.0	.5							2.6	7.5
ENE		2.3	1.2	.4	.2						4.1	7.6
E	.2	1.5	2.4	2.9	.2						7.3	9.4
ESE		1.9	1.7	1.0							4.6	7.9
SE		.6	.8								1.4	7.0
SSE		1.4	.8	.5	.1						2.8	7.8
S		1.5	2.2	.5	.1						4.3	7.8
SSW	.1	.6	1.0	3.0	.4						6.0	11.3
SW		1.2	2.7	3.5	2.2	.5					10.1	12.9
WSW		1.2	1.0	8.4	2.3	1.5	.2				14.5	14.8
W		2.0	5.1	11.0	2.6	1.0	.1	.1			21.8	12.8
WNW		1.1	2.6	3.2	.8						7.6	11.2
W	.1	1.0	.9	1.6	.3						3.9	10.3
NNW	.1	.8	.4	1.1	.2						2.6	9.9
VARIABLE												
CALM	////////////////////										1.7	////
TOTALS	1.2	19.8	25.8	38.7	9.4	3.0	.3	.1			100.0	11.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								GE 56	TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-14	15-17	18-20	21-23	24-26			
N		1.7	1.6	.9	.1					4.3	8.3
NNE	.1	.1	.6							.9	7.6
NE		1.0	.4	.1	.2					1.7	7.8
ENE	.9	1.6	.6	.5						3.5	6.1
E	.2	2.2	3.5	2.3	.2					8.4	8.8
ESE	.3	1.1	1.9	.5						3.9	7.4
SE		1.0	1.9	.1						3.0	7.6
SSE	.1	.9	.4	.5						1.9	7.8
S	.2	1.2	2.7	.8	.6					5.5	9.4
SSW	.1	.9	.6	1.7	.4					3.8	10.9
SW	.1	1.7	1.3	3.1	2.0	.3				8.6	12.6
WSW	.2	1.7	3.0	5.6	1.1	1.2	.2			13.0	12.8
W		2.6	6.7	13.5	3.5	.2	.2			26.8	12.5
WNW	.2	1.7	1.1	1.7	.4	.2				4.9	10.6
NW	.2	1.0	1.2	1.6	.1					4.1	9.7
NNW	.1	.5	.5	1.2	.1					2.5	10.3
VARIABLE											
CALM	////////////////////									3.2	////
TOTALS	2.7	20.3	28.3	34.2	6.9	1.9	.4			100.0	10.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N		1.8	1.6	.8							4.2	7.9
NNE	.1	.3	.6								1.1	6.8
NE		.3	.6	.2							1.3	8.8
ENE		1.6	.6	.1	.1						2.5	6.6
E	.1	3.0	2.4	2.5	.2						8.2	8.7
ESE	.1	1.9	1.6	.2							3.9	6.6
SE	.1	.4	.5	.1	.1						1.3	7.5
SSE		1.4	.2	.4							2.0	7.5
S	.2	2.2	3.5	1.7	.4						8.2	9.2
SSW	.1	.6	1.3	2.2	.6						4.9	11.9
SW		1.9	.9	2.7	1.2	.5					7.2	12.5
WSW		1.8	2.8	4.2	1.4	.8	.2				11.2	12.5
W		4.0	6.8	11.5	3.6	.8					26.8	12.1
WNW	.1	.6	2.2	1.4	.5	.3					5.3	11.3
NW	.1	.9	.5	1.8	.2						3.5	10.3
NNW	.2	1.5	1.7	.9	.5	.1					4.9	9.2
VARIABLE												
CALM	////////////////////										3.5	////
TOTALS	1.3	24.5	28.1	30.6	9.2	2.5	.2				100.0	10.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	1.2	1.2	.5	.1						3.4	8.2
NNE	.1	.2	.6	.2	.0						1.2	8.2
NE	.1	.6	.6	.3	.1						1.7	8.0
ENE	.3	1.6	.9	.5	.1						3.3	7.1
E	.5	2.5	2.9	2.6	.2						8.7	8.7
ESE	.1	1.7	1.6	.4							3.9	7.0
SE	.1	.8	.7	.1	.0						1.8	6.7
SSE	.1	1.2	.7	.3	.0						2.4	7.2
S	.2	2.0	3.1	1.7	.3						7.4	8.9
SSW	.1	1.0	1.4	2.3	.6	.0					5.4	11.3
SW	.1	1.4	1.8	3.1	1.9	.4					8.6	12.6
WSW	.0	1.4	2.7	5.7	2.2	.9	.1				12.9	13.3
W	.2	2.8	6.1	10.9	3.3	.6	.1	.0			24.0	12.2
WNW	.1	1.1	1.6	1.9	.6	.1					5.5	11.0
NW	.1	.6	1.1	1.4	.2	.1	.0				3.6	11.0
NNW	.1	.6	1.0	1.2	.2	.1	.0				3.5	9.9
VARIABLE												
CALM	////////////////////										2.7	////
TOTALS	2.4	21.2	28.0	33.5	9.6	2.2	.2	.0			100.0	10.4

TOTAL NUMBER OF OBSERVATIONS: 7439

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS 14P NY

PERIOD OF RECORD: 77-87  
MONTH: ALL HOURS(1ST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	1.8	1.4	.5	.0	.0					4.7	7.7
NNE	.2	.9	1.1	.4	.0	.0					2.5	7.6
NE	.2	1.0	1.3	.7	.1	.0	.0				3.3	8.3
ENE	.5	1.7	1.7	1.1	.1	.0	.0				5.1	8.0
E	.5	2.6	2.9	1.6	.1	.0					7.7	8.0
ESE	.2	1.3	1.0	.3	.0						2.8	6.7
SE	.2	.5	.6	.1	.0	.0					1.7	6.3
SSE	.2	1.0	.6	.2	.0	.0	.0				2.1	6.7
S	.5	2.9	3.2	1.5	.0	.0	.0				8.2	8.0
SSW	.2	1.8	3.0	1.8	.0	.0	.0				7.1	8.9
SW	.3	2.2	4.6	4.5	.8	.2	.0	.0			12.6	10.4
WSW	.2	1.5	3.2	4.0	1.0	.4	.1	.0			10.4	11.5
W	.3	1.9	3.6	4.3	1.0	.2	.0	.0			11.3	10.9
WNW	.1	1.3	2.2	2.1	.4	.1					6.1	10.1
NW	.1	1.1	2.2	1.8	.3	.0	.0				5.5	9.8
NNW	.1	1.0	1.6	1.2	.1	.0	.0				4.0	9.1
VARIABLE												
CALM	////////////////////										4.6	////
TOTALS	4.1	24.9	34.6	26.3	4.3	1.0	.1	.0			100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 87642

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS 1AP NY

PERIOD OF RECORD: 77-87  
MONTH: ALL HOURS(LST): ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE  
AND/OR  
CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.5	2.4	2.0	.7							6.3	9.2
NNE	.1	.8	1.5	.6	.1	.0						3.4	9.0
NE	.1	.5	1.9	1.7	.4	.1	.0					5.1	10.5
NNE	.7	1.3	2.5	2.0	.4	.1	.1					7.1	10.2
E	.4	2.1	3.4	2.5	.3	.0						8.6	9.1
ESE	.7	1.1	1.0	.3	.0							2.6	7.1
SE	.1	.5	.3	.0								1.0	5.9
ESE	.1	.8	.4	.1								1.4	6.1
S	.5	2.1	1.8	.0	.1	.0						5.4	7.6
SSW	.2	1.6	2.2	1.3	.1	.0						5.4	8.6
SW	.3	2.2	3.9	3.9	1.0	.3	.0					11.6	10.7
WSW	.3	1.6	3.1	5.0	1.2	.5	.1	.0				11.7	12.0
W	.3	1.7	3.0	3.6	.8	.4	.0					9.9	11.0
WNW	.1	1.2	1.8	2.2	.5	.1						6.0	10.6
NW	.2	.5	1.8	2.4	.5	.1						5.9	10.8
NNW	.1	1.0	1.8	2.0	.2	.7						5.2	10.1
VARIABLE													
CALM	////////////////////											3.4	////
TOTALS	3.3	21.4	32.9	31.4	5.7	1.6	.2	.0				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 11757



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## CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

### CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "0" THROUGH EQUAL TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

#### NOTES:

BEGINNING IN 1968, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPRESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

### SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

CLEAR	-	0/10
SCATTERED	-	3/10
BROKEN	-	9/10
OVERCAST	-	10/10
OBSURED	-	10/10

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MSC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 75287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/2	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15
NO CEIL	15.1	17.7	18.4	18.4	18.5	18.7	18.7	18.8	19.0	19.0	19.0	19.0	19.0	19.0	19.1	19.4
GE 20000	16.3	19.0	19.7	19.7	19.8	20.0	20.0	20.1	20.3	20.3	20.3	20.3	20.3	20.3	20.4	20.6
GE 18000	16.7	19.0	19.7	19.7	19.8	20.0	20.0	20.1	20.3	20.3	20.3	20.3	20.3	20.3	20.4	20.6
GE 16000	16.3	19.0	19.7	19.7	19.8	20.0	20.0	20.1	20.3	20.3	20.3	20.3	20.3	20.3	20.4	20.6
GE 14000	16.3	19.0	19.7	19.7	19.8	20.0	20.0	20.1	20.3	20.3	20.3	20.3	20.3	20.3	20.4	20.6
GE 12000	17.3	20.0	20.6	20.6	20.6	21.0	21.0	21.1	21.3	21.3	21.3	21.3	21.3	21.3	21.4	21.6
GE 10000	14.3	21.3	22.0	22.0	22.2	22.4	22.4	22.5	22.7	22.7	22.7	22.7	22.7	22.7	22.8	23.0
GE 9000	14.4	21.5	22.3	22.3	22.4	22.6	22.6	22.7	22.9	22.9	22.9	22.9	22.9	22.9	23.0	23.2
GE 8000	20.3	23.3	24.1	24.1	24.2	24.4	24.4	24.5	24.7	24.7	24.7	24.7	24.7	24.7	24.8	25.1
GE 7000	20.4	23.6	24.5	24.5	24.6	24.8	24.8	24.9	25.2	25.2	25.2	25.2	25.2	25.2	25.3	25.5
GE 6000	21.4	25.3	26.0	26.0	26.1	26.3	26.3	26.5	26.7	26.7	26.7	26.7	26.7	26.7	26.8	27.0
GE 5000	23.9	27.3	28.1	28.2	28.4	28.7	28.7	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.1	29.4
GE 4500	27.2	31.7	33.2	33.3	34.0	34.3	34.3	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.7	34.9
GE 4000	28.5	33.7	35.4	35.6	36.3	36.7	36.7	36.9	37.1	37.1	37.1	37.1	37.1	37.1	37.2	37.4
GE 3500	31.2	37.6	39.6	40.3	41.0	41.3	41.3	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.8	42.0
GE 3000	35.7	43.9	45.9	46.5	47.3	48.2	48.3	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.8	49.0
GE 2500	41.9	51.0	53.1	54.2	55.9	57.3	57.4	57.6	57.8	57.8	57.8	57.8	57.8	57.8	58.0	58.2
GE 2000	46.9	59.2	62.5	64.4	66.8	68.6	69.2	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.9	70.1
GE 1800	47.6	61.8	65.1	67.0	69.5	71.3	72.0	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.9
GE 1600	47.5	63.6	67.3	69.9	72.9	75.3	76.2	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.6
GE 1400	50.2	64.9	69.8	71.8	74.9	77.4	78.6	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.7	80.0
GE 1200	51.2	66.3	70.6	74.0	77.6	80.3	81.5	82.7	83.1	83.4	83.5	83.5	83.5	83.7	83.8	84.1
GE 1000	51.4	66.8	71.1	74.8	78.6	81.5	83.1	84.0	84.4	84.7	84.8	84.8	84.8	84.9	85.1	85.4
GE 900	51.9	67.6	72.3	76.1	80.3	83.9	85.8	86.9	87.4	87.7	87.8	87.8	87.8	87.8	88.0	88.3
GE 800	52.2	67.8	72.5	76.6	81.1	84.9	87.0	88.2	88.7	89.2	89.6	89.6	89.6	89.7	89.8	90.1
GE 700	52.3	68.0	72.9	77.3	82.2	86.5	89.0	90.4	91.2	91.8	92.3	92.3	92.3	92.4	92.5	92.8
GE 600	52.3	68.3	73.3	77.8	82.8	87.4	90.1	91.8	92.8	93.7	94.2	94.2	94.3	94.4	94.5	94.7
GE 500	52.2	68.4	73.5	78.2	83.4	88.4	91.7	93.8	95.1	96.0	96.8	97.0	97.2	97.3	97.4	97.6
GE 400	52.3	68.5	73.7	78.3	83.5	88.6	92.0	94.1	95.6	96.7	97.5	97.7	97.9	98.1	98.2	98.5
GE 300	52.3	68.5	73.7	78.3	83.5	88.6	92.0	94.2	95.7	97.0	97.8	98.1	98.4	98.6	98.9	99.2
GE 200	52.3	68.5	73.7	78.3	83.5	88.6	92.0	94.3	95.8	97.1	98.0	98.3	98.7	98.9	99.4	99.6
GE 100	52.3	68.5	73.7	78.3	83.5	88.6	92.0	94.3	95.8	97.1	98.0	98.3	98.7	98.9	99.4	99.6
GE 0	52.7	68.5	73.7	78.3	83.5	88.6	92.0	94.3	95.8	97.1	98.0	98.3	98.7	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 735267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS (LST): 0300-0500

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE 1	GE 3	GE 5	GE 7	GE 9	GE 11	GE 13	GE 15	GE 17	GE 19	GE 21	GE 23	GE 25	GE 27	GE 29	GE 31
NO CEIL	17.1	18.6	19.2	19.4	19.6	19.7	19.8	19.8	19.9	19.9	20.0	20.1	20.1	20.1	20.1	20.1	20.1
GE 20000	18.3	19.8	20.4	20.5	20.8	20.9	21.0	21.0	21.0	21.1	21.1	21.2	21.3	21.3	21.3	21.3	21.3
GE 18000	19.3	19.8	20.4	20.5	20.8	20.9	21.0	21.0	21.0	21.1	21.1	21.2	21.3	21.3	21.3	21.3	21.3
GE 16000	18.6	20.1	20.8	20.9	21.1	21.2	21.3	21.3	21.3	21.4	21.4	21.5	21.6	21.6	21.6	21.6	21.6
GE 14000	18.7	20.2	20.9	21.0	21.2	21.3	21.4	21.4	21.4	21.5	21.5	21.6	21.7	21.7	21.7	21.7	21.7
GE 12000	19.4	21.1	21.7	21.8	22.0	22.2	22.3	22.3	22.3	22.4	22.4	22.5	22.6	22.6	22.6	22.6	22.6
GE 10000	20.3	21.9	22.6	22.7	22.9	23.0	23.1	23.1	23.1	23.2	23.2	23.3	23.4	23.4	23.4	23.4	23.4
GE 9000	20.9	22.5	23.1	23.2	23.4	23.5	23.7	23.7	23.7	23.8	23.8	23.9	24.0	24.0	24.0	24.0	24.0
GE 8000	21.0	23.9	24.5	24.6	24.8	24.9	25.1	25.1	25.1	25.2	25.2	25.3	25.4	25.4	25.4	25.4	25.4
GE 7000	22.9	24.8	25.5	25.6	25.8	25.9	26.0	26.0	26.0	26.1	26.1	26.2	26.3	26.3	26.3	26.3	26.3
GE 6000	24.0	25.9	26.6	26.7	26.9	27.0	27.1	27.1	27.1	27.2	27.2	27.3	27.4	27.4	27.4	27.4	27.4
GE 5000	24.6	26.6	27.2	27.3	27.5	27.6	27.7	27.7	27.7	27.8	27.8	28.0	28.1	28.1	28.1	28.1	28.1
GE 4000	26.7	27.5	28.2	28.3	28.5	28.6	28.7	28.7	28.7	28.8	28.8	28.9	29.0	29.0	29.0	29.0	29.0
GE 3000	26.7	28.2	28.9	29.0	29.2	29.3	29.4	29.4	29.4	29.5	29.5	29.6	29.7	29.7	29.7	29.7	29.7
GE 2000	26.8	28.3	29.0	29.1	29.3	29.4	29.5	29.5	29.5	29.6	29.6	29.7	29.8	29.8	29.8	29.8	29.8
GE 1000	26.8	28.3	29.0	29.1	29.3	29.4	29.5	29.5	29.5	29.6	29.6	29.7	29.8	29.8	29.8	29.8	29.8
GE 500	26.8	28.3	29.0	29.1	29.3	29.4	29.5	29.5	29.5	29.6	29.6	29.7	29.8	29.8	29.8	29.8	29.8
GE 200	26.8	28.3	29.0	29.1	29.3	29.4	29.5	29.5	29.5	29.6	29.6	29.7	29.8	29.8	29.8	29.8	29.8
GE 100	26.8	28.3	29.0	29.1	29.3	29.4	29.5	29.5	29.5	29.6	29.6	29.7	29.8	29.8	29.8	29.8	29.8
GE 50	26.8	28.3	29.0	29.1	29.3	29.4	29.5	29.5	29.5	29.6	29.6	29.7	29.8	29.8	29.8	29.8	29.8
GE 20	26.8	28.3	29.0	29.1	29.3	29.4	29.5	29.5	29.5	29.6	29.6	29.7	29.8	29.8	29.8	29.8	29.8
GE 10	26.8	28.3	29.0	29.1	29.3	29.4	29.5	29.5	29.5	29.6	29.6	29.7	29.8	29.8	29.8	29.8	29.8
GE 5	26.8	28.3	29.0	29.1	29.3	29.4	29.5	29.5	29.5	29.6	29.6	29.7	29.8	29.8	29.8	29.8	29.8
GE 1	26.8	28.3	29.0	29.1	29.3	29.4	29.5	29.5	29.5	29.6	29.6	29.7	29.8	29.8	29.8	29.8	29.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS (LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	16.5	18.0	18.6	18.7	19.1	19.5	19.5	19.7	19.8	19.8	19.8	19.9	19.9	19.9	20.0	20.2
GE 20000	17.5	19.4	20.0	20.1	20.5	20.9	20.9	21.1	21.2	21.2	21.2	21.3	21.3	21.3	21.4	21.6
GE 18000	17.5	19.4	20.0	20.1	20.5	20.9	20.9	21.1	21.2	21.2	21.2	21.3	21.3	21.3	21.4	21.6
GE 16000	17.7	19.6	20.2	20.3	20.8	21.1	21.1	21.3	21.4	21.4	21.4	21.5	21.5	21.5	21.6	21.8
GE 14000	18.0	19.8	20.4	20.5	21.0	21.3	21.3	21.5	21.6	21.6	21.6	21.7	21.7	21.7	21.8	22.0
GE 12000	18.5	20.4	21.1	21.2	21.6	21.9	21.9	22.2	22.3	22.3	22.3	22.4	22.4	22.4	22.5	22.7
GE 10000	19.5	21.6	22.3	22.4	22.8	23.1	23.1	23.3	23.4	23.4	23.4	23.5	23.5	23.5	23.7	23.9
GE 9000	20.1	22.3	22.9	23.0	23.4	23.6	23.6	24.0	24.1	24.1	24.1	24.2	24.2	24.2	24.3	24.5
GE 8000	21.3	23.8	24.4	24.5	24.9	25.3	25.3	25.5	25.6	25.6	25.6	25.7	25.7	25.7	25.8	26.0
GE 7000	21.6	24.1	24.7	24.8	25.3	25.6	25.6	25.8	25.9	25.9	25.9	26.0	26.0	26.0	26.1	26.3
GE 6000	22.8	25.6	26.2	26.3	26.8	27.1	27.1	27.3	27.4	27.4	27.4	27.5	27.5	27.5	27.6	27.8
GE 5000	23.4	26.7	27.3	27.5	28.1	28.4	28.4	28.6	28.7	28.7	28.7	28.8	28.8	28.8	28.9	29.1
GE 4500	25.5	29.7	30.5	30.8	31.4	31.7	31.7	31.9	32.0	32.0	32.0	32.2	32.2	32.2	32.3	32.5
GE 4000	26.7	31.2	32.0	32.5	33.2	33.7	33.7	34.0	34.1	34.1	34.1	34.2	34.2	34.2	34.3	34.5
GE 3500	28.3	34.0	35.1	35.6	36.5	37.0	37.0	37.3	37.5	37.6	37.7	37.8	37.8	37.8	38.0	38.2
GE 3000	31.1	37.3	38.5	39.5	40.6	41.2	41.3	41.6	41.9	42.0	42.2	42.3	42.3	42.3	42.4	42.6
GE 2500	35.7	43.1	45.1	46.5	47.8	48.8	48.9	49.4	49.7	49.8	49.9	50.0	50.0	50.0	50.1	50.3
GE 2000	40.9	51.3	54.9	56.0	60.3	61.9	62.7	63.3	63.7	63.8	64.1	64.3	64.3	64.3	64.4	64.6
GE 1800	41.4	52.4	56.3	59.6	61.9	63.5	64.3	65.1	65.4	65.5	65.8	66.0	66.0	66.0	66.1	66.3
GE 1600	43.5	56.0	61.0	65.1	68.2	70.9	72.9	73.7	74.1	74.2	74.5	74.7	74.7	74.7	74.8	75.1
GE 1400	44.1	57.2	62.4	66.9	70.5	73.7	76.2	77.2	77.6	77.8	78.2	78.4	78.4	78.4	78.5	78.7
GE 1200	44.7	59.4	66.2	70.0	74.8	78.9	82.0	83.4	84.0	84.3	84.8	85.1	85.1	85.1	85.2	85.4
GE 1000	45.2	60.0	66.2	71.2	76.2	80.4	83.5	85.1	85.8	86.2	86.9	87.1	87.1	87.1	87.2	87.4
GE 900	45.3	60.2	67.0	71.9	77.6	82.3	85.6	87.3	88.2	88.6	89.4	89.6	89.6	89.6	89.7	89.9
GE 800	45.3	60.3	67.1	72.4	78.1	82.8	86.2	88.1	89.0	89.7	90.5	90.8	90.8	90.8	90.9	91.1
GE 700	45.3	60.4	67.3	72.7	79.9	84.5	88.2	90.5	91.8	92.5	93.3	93.5	93.5	93.5	93.8	94.0
GE 600	45.3	60.5	67.4	73.1	79.2	85.2	89.5	92.2	93.4	94.1	94.9	95.3	95.4	95.4	95.9	96.1
GE 500	45.3	60.6	67.5	73.2	79.4	85.6	90.0	93.1	94.4	95.2	96.0	96.3	96.5	96.5	97.1	97.3
GE 400	45.3	60.8	67.6	73.3	79.5	86.0	90.8	93.7	95.4	96.2	97.3	97.6	97.7	97.7	98.5	98.7
GE 300	45.4	60.9	67.7	73.4	79.6	86.2	91.0	94.0	95.7	96.6	97.6	98.0	98.1	98.3	99.0	99.2
GE 200	45.4	60.9	67.7	73.4	79.7	86.3	91.1	94.1	95.8	96.7	97.8	98.2	98.3	98.6	99.6	99.8
GE 100	45.4	60.9	67.7	73.4	79.7	86.3	91.1	94.1	95.8	96.7	97.8	98.2	98.3	98.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	16.6	18.4	19.2	19.9	20.4	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
GE 20000	18.1	20.1	21.2	21.6	22.4	22.7	22.8	22.8	22.8	22.8	22.9	22.9	22.9	22.9	23.0	23.0
GE 18000	18.3	20.4	21.5	22.2	22.7	23.0	23.1	23.1	23.1	23.2	23.2	23.2	23.2	23.2	23.3	23.3
GE 16000	18.8	21.0	22.0	22.7	23.2	23.5	23.7	23.7	23.7	23.8	23.8	23.8	23.8	23.8	23.9	23.9
GE 14000	19.0	21.3	22.4	23.0	23.5	24.0	24.1	24.1	24.1	24.2	24.2	24.2	24.2	24.2	24.3	24.3
GE 12000	20.0	22.4	23.4	24.1	24.6	25.1	25.2	25.2	25.2	25.3	25.3	25.3	25.3	25.3	25.4	25.4
GE 10000	21.3	24.3	25.6	26.2	27.0	27.5	27.6	27.6	27.6	27.7	27.7	27.7	27.7	27.7	27.8	27.8
GE 9000	21.6	24.7	26.0	26.7	27.4	28.0	28.1	28.1	28.1	28.2	28.2	28.2	28.2	28.2	28.3	28.3
GE 8000	22.8	26.2	27.6	28.3	29.0	29.6	29.7	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.9	29.9
GE 7000	23.2	26.9	28.4	29.0	29.9	30.4	30.5	30.5	30.5	30.6	30.6	30.6	30.6	30.6	30.8	30.8
GE 6000	24.0	27.8	29.4	30.0	30.9	31.4	31.5	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.7	31.7
GE 5000	24.4	28.7	30.3	31.0	31.9	32.6	32.7	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 4500	24.9	29.7	31.9	32.9	33.9	34.5	34.6	34.6	34.6	34.7	34.7	34.7	34.7	34.7	34.8	34.8
GE 4000	25.6	31.0	33.3	34.4	35.4	36.3	36.7	36.7	36.7	36.8	36.8	36.8	36.8	36.8	36.9	36.9
GE 3500	26.9	33.0	35.7	37.3	38.5	39.7	40.1	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.4	40.4
GE 3000	27.6	35.7	38.6	40.9	42.4	43.7	44.1	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.4	44.4
GE 2500	31.7	40.5	44.2	47.4	49.5	51.9	52.7	53.1	53.1	53.5	53.7	53.7	53.8	53.8	53.9	53.9
GE 2000	33.5	42.8	48.2	51.6	54.6	58.4	60.1	60.9	61.0	61.6	62.0	62.2	62.3	62.3	62.4	62.4
GE 1800	33.7	44.2	48.8	52.7	55.6	59.5	61.3	62.3	62.4	63.1	63.5	63.7	63.8	63.8	63.9	63.9
GE 1600	35.4	47.8	53.4	58.3	61.9	67.1	70.3	71.8	72.2	73.2	73.8	73.9	74.0	74.0	74.1	74.1
GE 1200	35.7	49.1	55.6	61.1	65.7	71.9	75.4	77.7	78.5	79.7	80.5	80.6	80.8	80.8	80.9	80.9
GE 1000	36.7	50.2	57.1	63.5	68.5	75.3	79.5	82.2	83.1	85.1	86.7	87.1	87.3	87.3	87.4	87.4
GE 900	36.5	50.4	57.3	63.9	69.0	75.8	80.0	82.6	83.9	85.9	87.6	88.1	88.3	88.3	88.4	88.4
GE 800	36.6	50.6	57.8	64.6	70.2	77.4	81.8	84.7	85.9	88.2	90.1	90.6	91.1	91.1	91.2	91.2
GE 700	36.6	50.8	58.0	65.1	71.1	78.4	83.0	86.2	87.5	89.8	91.9	92.5	93.0	93.0	93.1	93.1
GE 600	36.6	50.9	58.1	65.3	71.4	78.7	83.4	86.7	88.3	90.8	93.1	93.8	94.3	94.5	94.7	94.7
GE 500	36.6	50.9	58.1	65.5	71.8	79.6	84.8	88.2	90.0	92.6	95.2	96.1	96.9	97.0	97.2	97.2
GE 400	36.6	51.0	58.2	65.6	71.9	79.7	84.9	88.6	90.5	93.1	95.9	97.0	97.7	98.0	98.2	98.2
GE 300	36.6	51.0	58.2	65.6	72.0	80.0	85.4	89.0	91.0	93.5	96.6	97.6	98.5	98.8	99.0	99.0
GE 200	36.6	51.0	58.2	65.6	72.0	80.0	85.4	89.1	91.1	93.7	96.7	98.1	98.9	99.5	99.9	99.9
GE 100	36.6	51.0	58.2	65.6	72.0	80.0	85.4	89.1	91.1	93.7	96.7	98.1	98.9	99.6	100.0	100.0
GE 0	36.6	51.0	58.2	65.6	72.0	80.0	85.4	89.1	91.1	93.7	96.7	98.1	98.9	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAF NY

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(IST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES																
IN FEET	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	17.8	20.9	21.7	22.0	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	
GE 20000	20.9	24.3	25.2	25.7	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	
GE 18000	21.5	24.9	25.8	26.3	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	
GE 16000	21.8	25.3	26.1	26.7	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	
GE 14000	22.6	26.2	27.1	27.6	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	
GE 12000	23.7	27.4	28.3	28.6	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	
GE 10000	24.5	28.6	29.5	30.0	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	
GE 9000	24.5	28.6	29.5	30.1	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	
GE 8000	25.6	30.1	31.2	32.2	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	
GE 7000	25.9	30.3	31.4	32.4	32.8	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	
GE 6000	26.1	30.8	31.8	32.6	33.3	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	
GE 5000	26.8	31.9	33.0	34.3	34.8	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	
GE 4500	27.4	33.1	34.2	35.9	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	
GE 4000	28.5	34.7	35.8	36.1	36.8	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	
GE 3500	29.1	36.3	38.0	40.5	41.4	41.8	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	
GE 3000	31.2	40.3	42.7	46.0	47.1	47.7	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	
GE 2500	35.3	46.1	49.4	53.0	54.7	55.9	56.3	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
GE 2000	38.6	50.8	54.3	59.0	61.4	64.1	65.1	65.7	65.8	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	
GE 1800	39.1	51.7	55.6	60.5	63.3	66.3	67.4	68.2	68.3	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	
GE 1600	41.0	55.7	60.0	66.7	70.6	74.6	76.8	78.2	78.5	78.9	79.5	79.6	79.6	79.6	79.6	79.6	79.6	
GE 1200	41.7	57.1	61.7	69.2	73.8	78.4	80.6	82.5	82.9	84.0	84.6	84.8	84.8	84.8	84.8	84.8	84.8	
GE 1000	41.9	57.8	62.8	70.6	75.9	81.2	84.2	86.5	87.0	88.4	89.6	89.8	89.8	89.8	89.8	89.8	89.8	
GE 900	41.9	57.8	62.9	70.8	76.0	81.3	84.4	86.7	87.2	88.7	89.9	90.1	90.1	90.1	90.1	90.1	90.1	
GE 800	41.9	57.8	63.1	71.1	76.3	81.7	84.9	87.2	87.7	89.5	90.8	91.0	91.0	91.0	91.0	91.0	91.0	
GE 700	41.9	57.6	63.5	71.6	77.2	83.2	86.6	89.4	90.2	92.0	93.4	93.8	94.0	94.0	94.0	94.0	94.1	
GE 600	41.9	57.6	63.5	71.7	77.5	83.8	87.4	90.4	91.4	93.4	95.4	95.7	95.9	96.2	96.2	96.2	96.3	
GE 500	41.9	57.8	63.5	71.8	77.8	84.3	88.2	91.3	92.3	94.3	96.2	96.6	96.8	97.2	97.2	97.2	97.3	
GE 400	41.9	57.8	63.5	71.8	78.0	84.6	88.8	91.9	93.0	95.1	97.0	97.4	97.7	98.3	98.3	98.4	98.4	
GE 300	41.9	57.8	63.5	71.9	78.1	84.8	89.1	92.3	93.3	95.7	97.7	98.3	98.6	99.1	99.4	99.5	99.5	
GE 200	41.9	57.8	63.5	71.9	78.1	84.8	89.1	92.3	93.3	95.7	97.7	98.5	98.8	99.5	99.8	99.8	99.9	
GE 100	41.9	57.8	63.5	71.9	78.1	84.8	89.1	92.3	93.3	95.7	97.7	98.5	98.8	99.5	99.8	99.8	100.0	
GE 0	41.9	57.8	63.5	71.9	78.1	84.8	89.1	92.3	93.3	95.7	97.7	98.5	98.8	99.5	99.8	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES																
IN FEET		GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL		17.3	20.9	21.5	21.9	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	
GE 20000	20.1	24.0	24.6	25.1	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	
GE 18000	20.2	24.1	24.7	25.2	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	
GE 16000	20.3	24.2	24.8	25.3	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	
GE 14000	21.2	25.2	25.8	26.3	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	
GE 12000	23.5	27.5	28.2	28.7	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	
GE 10000	24.4	28.5	29.1	29.7	30.4	30.4	30.4	30.4	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	
GE 9000	24.6	28.9	29.6	30.1	30.9	30.9	30.9	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	
GE 8000	26.2	30.6	31.3	31.9	32.7	32.7	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	
GE 7000	27.1	31.6	32.3	32.9	33.8	33.8	33.8	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	
GE 6000	27.7	32.4	33.0	33.7	34.5	34.5	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	
GE 5000	28.7	33.9	34.7	35.5	36.6	36.7	36.7	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	
GE 4500	30.4	36.1	37.1	37.8	39.0	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	
GE 4000	32.9	37.3	38.5	39.5	40.8	41.2	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.4	41.4	41.4	41.4	
GE 3500	32.8	39.9	41.3	42.3	43.5	44.1	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.4	44.4	44.4	44.4	
GE 3000	35.8	44.1	46.1	47.2	48.9	49.7	49.9	50.0	50.1	50.1	50.1	50.2	50.2	50.3	50.3	50.3	50.3	
GE 2500	37.8	49.9	51.2	53.0	55.5	56.4	57.3	57.6	57.7	57.7	57.7	57.7	57.8	58.0	58.0	58.0	58.0	
GE 2000	43.3	54.4	57.4	60.0	63.8	65.5	66.3	67.1	67.5	67.5	67.5	67.6	67.7	67.8	67.8	67.8	67.8	
GE 1800	44.0	55.8	59.1	61.9	65.9	67.7	68.7	69.6	70.0	70.1	70.2	70.3	70.4	70.4	70.4	70.4	70.4	
GE 1500	44.6	58.3	62.4	65.6	71.0	73.4	75.2	76.1	76.6	76.7	77.1	77.2	77.4	77.5	77.5	77.5	77.5	
GE 1200	45.2	58.6	63.4	67.8	73.9	76.6	79.9	80.2	81.0	81.2	81.9	81.9	82.2	82.3	82.3	82.3	82.3	
GE 1000	45.4	59.4	64.2	69.2	75.6	79.2	82.0	83.5	84.4	85.1	86.0	86.1	86.5	86.6	86.6	86.6	86.7	
GE 900	45.4	59.4	64.3	69.4	76.1	79.6	82.7	84.2	85.3	86.1	87.1	87.2	87.5	87.6	87.6	87.7	87.7	
GE 800	45.5	59.5	64.5	69.7	76.8	81.0	84.0	85.6	86.9	87.8	89.2	89.6	89.9	90.0	90.0	90.1	90.1	
GE 700	45.5	59.5	64.5	70.1	77.4	81.4	85.3	87.5	88.6	89.9	91.6	91.9	92.3	92.4	92.5	92.6	92.6	
GE 600	45.5	59.5	64.5	70.2	77.5	82.5	86.0	88.4	89.8	91.3	93.3	93.8	94.6	94.9	95.3	95.4	95.4	
GE 500	45.5	59.5	64.6	70.3	77.6	82.7	86.3	88.7	90.3	92.4	94.7	95.3	96.3	96.9	97.2	97.4	97.4	
GE 400	45.5	59.5	64.6	70.4	77.8	83.1	87.3	89.7	91.4	93.5	95.9	96.5	97.5	98.2	98.5	98.8	98.8	
GE 300	45.5	59.5	64.6	70.4	77.8	83.1	87.3	89.7	91.4	93.5	95.9	96.5	97.5	98.3	98.6	98.9	98.9	
GE 200	45.5	59.5	64.6	70.4	77.8	83.1	87.3	89.7	91.4	93.7	96.0	96.6	97.6	98.4	98.8	99.4	99.4	
GE 100	45.5	59.5	64.6	70.4	77.8	83.1	87.3	89.7	91.4	93.7	96.0	96.6	97.8	98.6	99.0	99.7	99.7	
GE 0	45.5	59.5	64.6	70.4	77.8	83.1	87.3	89.7	91.4	93.7	96.0	96.6	97.8	98.6	99.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(LST): 1800-2000

VISIBILITY IN STATUTE MILES																	
CEILING IN FEET	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	19.8	21.9	21.9	22.2	22.3	22.3	22.3	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
GE 20000	21.0	23.7	23.8	24.0	24.1	24.1	24.1	24.1	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
GE 18000	21.0	23.7	23.8	24.0	24.1	24.1	24.1	24.1	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
GE 16000	21.1	23.8	23.9	24.1	24.2	24.2	24.2	24.2	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
GE 14000	21.6	24.5	24.6	24.8	24.9	24.9	24.9	24.9	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
GE 12000	23.3	26.2	26.3	26.6	26.7	26.7	26.7	26.7	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
GE 10000	24.2	27.1	27.2	27.4	27.5	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
GE 9000	24.4	27.4	27.5	27.7	27.8	27.8	27.8	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
GE 8000	26.2	29.4	29.5	29.7	29.8	29.8	29.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
GE 7000	27.4	30.6	30.8	31.0	31.1	31.1	31.1	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
GE 6000	29.4	31.6	31.8	32.3	32.4	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
GE 5000	30.6	34.4	34.7	35.4	35.5	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 4500	33.3	37.7	38.1	38.7	39.0	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 4000	35.2	39.9	40.4	41.4	41.7	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
GE 3500	37.8	42.9	43.9	44.8	45.2	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 3000	41.7	48.3	49.2	50.5	50.8	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 2500	45.6	53.7	56.0	58.0	58.9	59.9	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 2000	50.5	60.5	63.7	66.0	68.1	69.4	69.8	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 1800	52.7	63.0	66.2	68.8	70.9	72.2	72.6	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 1500	54.0	65.7	69.5	72.9	75.5	77.1	77.8	78.4	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 1200	55.4	67.7	72.2	76.3	79.1	81.0	81.8	82.4	82.6	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 1000	55.7	68.4	73.5	78.5	81.8	84.1	85.3	86.0	86.5	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 900	55.8	68.6	73.9	79.0	82.6	84.8	86.0	86.9	87.3	88.1	88.5	88.5	88.5	88.5	88.6	88.6	88.6
GE 800	56.2	69.0	74.5	79.9	83.8	86.2	87.8	89.0	89.7	90.4	90.9	90.9	90.9	90.9	91.0	91.0	91.0
GE 700	56.3	69.1	74.7	80.3	84.3	87.0	89.0	90.5	91.2	92.2	92.6	92.6	92.6	92.6	92.7	92.7	92.7
GE 600	56.5	69.2	74.8	80.4	84.4	87.1	89.6	91.3	92.0	93.1	93.9	93.9	93.9	93.9	94.0	94.0	94.0
GE 500	56.5	69.2	74.9	80.6	84.8	87.7	90.4	92.3	93.1	94.2	95.4	95.4	95.4	95.7	95.8	95.9	96.0
GE 400	56.5	69.2	74.9	80.8	85.2	88.3	91.2	93.1	94.1	95.3	96.6	96.6	96.6	96.9	97.0	97.2	97.4
GE 300	56.5	69.2	74.9	80.8	85.2	88.3	91.3	93.3	94.3	95.5	96.9	96.9	97.4	97.5	97.8	98.1	98.1
GE 200	56.5	69.2	75.1	80.9	85.4	88.7	91.8	93.9	94.8	96.0	97.4	97.5	98.1	98.5	98.8	99.0	99.0
GE 100	56.5	69.2	75.1	80.9	85.4	88.7	91.8	93.9	94.8	96.0	97.5	97.6	98.2	98.7	99.0	99.7	99.7
GE 0	56.5	69.2	75.1	80.9	85.4	88.7	91.8	93.9	94.8	96.0	97.5	97.6	98.2	98.7	99.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 735287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 2100-2300

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET		10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL		16.2	18.4	18.7	18.9	18.9	18.9	18.9	19.1	19.2	19.2	19.2	19.2	19.2	19.2	19.4	19.5
GE 20000		17.5	19.7	20.0	20.2	20.2	20.2	20.2	20.4	20.5	20.5	20.5	20.5	20.5	20.5	20.6	20.8
GE 18000		17.5	19.7	20.0	20.2	20.2	20.2	20.2	20.4	20.5	20.5	20.5	20.5	20.5	20.5	20.6	20.8
GE 16000		17.7	19.9	20.2	20.4	20.4	20.4	20.4	20.6	20.8	20.8	20.8	20.8	20.8	20.8	20.9	21.0
GE 14000		17.8	20.3	20.6	20.9	20.9	20.9	20.9	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.3	21.4
GE 12000		19.7	21.4	21.7	21.9	21.9	21.9	21.9	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.4	22.6
GE 10000		19.6	22.4	22.7	22.9	22.9	22.9	22.9	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.3	23.5
GE 9000		20.1	23.1	23.4	23.7	23.7	23.7	23.7	23.9	24.0	24.0	24.0	24.0	24.0	24.0	24.1	24.3
GE 8000		21.4	24.5	24.8	25.1	25.1	25.1	25.1	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.5	25.7
GE 7000		23.1	26.3	26.7	26.9	26.9	26.9	26.9	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.3	27.5
GE 6000		24.6	28.0	28.3	28.6	28.6	28.6	28.6	28.8	28.9	28.9	28.9	28.9	28.9	28.9	29.0	29.2
GE 5000		26.8	30.4	31.0	31.5	31.7	31.7	31.7	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.2	32.4
GE 4500		29.2	33.7	34.3	34.8	35.4	35.4	35.4	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.8	36.0
GE 4000		31.0	35.8	36.7	37.5	38.2	38.2	38.2	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.6	38.8
GE 3500		34.1	39.6	40.9	42.0	42.7	42.7	42.8	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.2	43.4
GE 3000		38.4	45.2	47.2	48.7	49.8	49.8	50.0	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.6	50.9
GE 2500		44.4	52.9	55.7	57.6	58.8	58.9	59.4	59.8	60.0	60.0	60.1	60.1	60.1	60.1	60.2	60.4
GE 2000		49.5	61.2	64.3	67.5	68.9	70.2	70.9	71.4	71.6	71.6	71.7	71.7	71.7	71.7	71.8	72.0
GE 1800		50.5	62.7	66.5	69.2	70.8	72.0	72.8	73.3	73.5	73.5	73.7	73.7	73.7	73.7	73.8	74.0
GE 1600		53.2	65.9	70.6	74.3	76.5	78.0	78.8	79.7	79.9	79.9	80.0	80.0	80.0	80.0	80.1	80.3
GE 1400		53.8	67.0	72.0	75.8	78.3	80.1	81.1	82.0	82.5	82.5	82.6	82.6	82.6	82.6	82.7	82.9
GE 1200		54.6	68.0	73.5	77.7	81.1	83.0	84.1	85.3	85.8	85.9	86.1	86.1	86.1	86.1	86.2	86.5
GE 1000		54.7	68.1	73.8	78.4	81.7	83.9	85.2	86.6	87.1	87.2	87.4	87.4	87.4	87.4	87.5	87.7
GE 900		55.1	68.7	74.6	79.5	83.1	85.4	87.0	88.7	89.2	89.5	89.7	89.7	89.7	89.8	89.9	90.1
GE 800		55.1	68.7	74.8	80.2	84.3	86.7	88.5	90.5	91.1	91.4	91.6	91.6	91.7	91.8	91.9	92.2
GE 700		55.1	68.7	74.8	80.4	84.6	87.6	89.7	91.8	92.6	93.2	93.5	93.5	93.7	93.8	93.9	94.1
GE 600		55.1	68.7	74.9	80.5	84.7	88.0	90.4	92.7	93.5	94.2	94.7	94.7	94.8	95.1	95.2	95.4
GE 500		55.1	68.7	74.9	80.9	85.5	88.9	91.4	93.7	94.6	95.4	96.0	96.1	96.3	96.6	96.8	97.0
GE 400		55.1	68.7	74.9	80.9	85.6	89.1	91.7	94.1	95.5	96.2	97.2	97.3	97.5	97.8	98.1	98.3
GE 300		55.1	68.8	75.2	81.2	86.0	89.7	92.3	94.7	96.2	97.0	98.1	98.2	98.6	99.0	99.4	99.6
GE 200		55.1	68.8	75.2	81.2	86.0	89.7	92.3	94.7	96.2	97.0	98.1	98.3	98.7	99.1	99.5	99.7
GE 100		55.1	68.8	75.2	81.2	86.0	89.7	92.3	94.7	96.2	97.0	98.1	98.3	98.7	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	17.0	19.3	19.9	20.2	20.5	20.6	20.6	20.7	20.7	20.8	20.8	20.8	20.8	20.8	20.8	20.9
GE 20000	18.7	21.2	21.9	22.1	22.5	22.6	22.6	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.9	22.9
GE 18000	18.6	21.4	22.0	22.3	22.6	22.7	22.7	22.8	22.9	22.9	22.9	22.9	22.9	22.9	23.0	23.1
GE 16000	19.1	21.6	22.2	22.5	22.8	22.9	23.0	23.1	23.1	23.1	23.1	23.2	23.2	23.2	23.2	23.3
GE 14000	19.4	22.1	22.7	23.0	23.3	23.4	23.5	23.5	23.6	23.6	23.7	23.7	23.7	23.7	23.7	23.8
GE 12000	20.6	23.3	23.9	24.2	24.5	24.7	24.7	24.8	24.8	24.9	24.9	24.9	24.9	24.9	25.0	25.0
GE 10000	21.5	24.5	25.1	25.4	25.8	25.9	25.9	26.0	26.1	26.1	26.1	26.1	26.2	26.2	26.2	26.3
GE 9000	21.8	24.9	25.5	25.8	26.2	26.3	26.4	26.5	26.5	26.5	26.5	26.6	26.6	26.6	26.6	26.7
GE 8000	23.2	26.5	27.2	27.5	27.9	28.0	28.1	28.2	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.4
GE 7000	24.0	27.3	28.0	28.4	28.8	28.9	29.0	29.0	29.1	29.1	29.1	29.2	29.2	29.2	29.2	29.3
GE 6000	24.9	28.4	29.1	29.5	29.9	30.1	30.1	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.4	30.5
GE 5000	26.2	30.0	30.8	31.3	31.8	32.0	32.0	32.1	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.4
GE 4500	28.1	32.6	33.7	34.4	35.0	35.2	35.3	35.3	35.4	35.4	35.4	35.5	35.5	35.5	35.5	35.6
GE 4000	29.3	34.3	35.5	36.5	37.2	37.5	37.6	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.9	37.9
GE 3500	31.3	37.2	38.7	39.9	40.6	41.0	41.1	41.3	41.4	41.4	41.5	41.5	41.5	41.5	41.6	41.6
GE 3000	34.5	41.9	43.7	45.2	46.2	46.8	47.0	47.2	47.3	47.4	47.4	47.4	47.4	47.4	47.5	47.6
GE 2500	39.2	48.0	50.5	52.6	54.1	55.2	55.5	55.9	56.0	56.1	56.1	56.2	56.2	56.2	56.3	56.3
GE 2000	43.7	54.7	58.3	61.3	63.6	65.5	66.4	66.9	67.1	67.2	67.4	67.5	67.5	67.5	67.6	67.6
GE 1800	44.7	56.2	60.0	63.1	65.6	67.5	68.5	69.0	69.2	69.4	69.6	69.7	69.7	69.7	69.7	69.8
GE 1500	46.3	59.3	63.7	67.8	71.0	73.7	75.3	76.2	76.5	76.7	77.0	77.1	77.1	77.2	77.2	77.3
GE 1200	47.0	60.6	65.4	70.0	73.7	76.7	78.7	79.8	80.2	80.6	81.0	81.1	81.1	81.1	81.2	81.3
GE 1000	47.5	61.7	67.0	72.1	76.5	80.0	82.4	83.8	84.4	85.1	85.8	85.9	86.0	86.0	86.1	86.2
GE 900	47.7	62.0	67.4	72.6	77.2	80.8	83.3	84.8	85.4	86.2	86.9	87.0	87.1	87.2	87.2	87.3
GE 800	47.9	62.3	68.1	73.5	78.4	82.4	85.2	86.9	87.6	88.5	89.3	89.5	89.6	89.7	89.7	89.8
GE 700	48.0	62.4	68.3	74.0	79.2	83.4	86.5	88.5	89.3	90.4	91.3	91.5	91.6	91.7	91.8	91.9
GE 600	48.0	62.5	68.4	74.3	79.7	84.3	87.6	89.9	91.0	92.2	93.3	93.5	93.8	93.9	94.0	94.2
GE 500	48.0	62.6	68.5	74.5	80.0	84.9	88.5	91.0	92.2	93.6	94.9	95.1	95.5	95.7	95.9	96.0
GE 400	48.0	62.6	68.6	74.7	80.4	85.5	89.4	92.1	93.4	94.9	96.2	96.6	97.0	97.2	97.5	97.7
GE 300	48.0	62.6	68.6	74.7	80.4	85.6	89.7	92.5	94.0	95.5	97.0	97.3	97.8	98.1	98.4	98.6
GE 200	48.0	62.7	68.7	74.8	80.6	85.8	89.9	92.8	94.2	95.8	97.3	97.8	98.3	98.7	99.2	99.4
GE 100	48.0	62.7	68.7	74.8	80.6	85.9	89.9	92.9	94.3	95.9	97.4	97.9	98.5	99.0	99.4	99.8
GE 0	48.0	62.7	68.7	74.8	80.6	85.9	89.9	92.9	94.3	95.9	97.4	97.9	98.5	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16
NO CEIL	25.9	29.2	33.3	36.9	31.1	31.2	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.2	32.2	32.4
GE 20000	27.0	30.9	32.0	32.6	32.9	33.0	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.9	34.0	34.3
GE 18000	27.0	30.9	32.0	32.6	32.9	33.0	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.9	34.0	34.3
GE 16000	27.1	31.0	32.2	32.7	33.0	33.1	33.8	33.9	33.9	33.9	33.9	33.9	33.9	34.0	34.2	34.4
GE 14000	27.4	31.3	32.5	33.1	33.3	33.5	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.4	34.8
GE 12000	28.4	32.5	33.8	34.4	34.6	34.8	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.7	35.8	36.1
GE 10000	29.6	33.9	35.2	36.1	36.3	36.4	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.4	37.5	37.7
GE 9000	29.8	34.2	35.5	36.3	36.5	36.6	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.6	37.7	37.9
GE 8000	31.6	36.2	37.5	38.3	38.5	38.7	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.6	39.7	40.0
GE 7000	31.9	37.0	38.3	39.5	39.7	39.8	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.8	40.9	41.1
GE 6000	32.6	37.7	39.0	40.2	40.4	40.5	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.5	41.6	41.8
GE 5000	33.9	39.1	40.5	41.7	42.1	42.2	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.3	43.4	43.6
GE 4500	37.1	43.3	44.9	46.3	47.0	47.3	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.5	48.7
GE 4000	38.8	44.9	46.6	48.0	48.9	49.2	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.4	50.5	50.7
GE 3500	42.1	48.7	50.5	52.4	53.4	53.7	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.1	55.2	55.4
GE 3000	44.6	51.7	53.5	55.6	57.2	57.6	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.3	59.5	59.7
GE 2500	49.8	56.9	59.2	61.6	63.5	63.6	65.5	65.8	65.8	66.1	66.1	66.1	66.1	66.2	66.3	66.5
GE 2000	53.0	63.1	66.0	68.9	71.5	72.5	74.6	75.4	75.7	75.9	75.9	75.9	75.9	76.0	76.1	76.4
GE 1800	53.4	64.2	67.1	70.1	72.7	73.6	75.8	76.6	76.8	77.1	77.1	77.1	77.1	77.2	77.3	77.5
GE 1500	56.1	67.7	71.3	74.6	77.7	79.1	81.8	83.3	83.6	83.6	83.8	83.8	83.8	83.9	84.0	84.3
GE 1200	56.5	68.6	72.3	75.9	79.1	81.0	84.0	85.6	85.8	86.1	86.1	86.1	86.1	86.2	86.3	86.5
GE 1000	56.7	69.1	73.0	76.8	80.1	82.6	85.9	87.7	88.2	88.8	88.8	88.8	88.8	88.9	89.0	89.4
GE 900	56.7	69.1	73.0	76.8	80.1	82.7	86.1	87.9	88.5	89.5	89.5	89.5	89.5	89.6	89.7	90.0
GE 800	56.9	69.4	73.4	77.3	80.6	83.3	86.8	88.7	89.2	90.2	90.2	90.2	90.2	90.3	90.4	90.8
GE 700	56.9	69.9	73.9	77.8	81.1	83.9	87.4	89.2	90.1	91.0	91.0	91.0	91.0	91.1	91.5	91.8
GE 600	57.0	70.0	74.0	77.9	81.4	84.3	87.8	89.7	90.5	91.5	91.5	91.6	91.6	91.7	92.2	92.7
GE 500	57.0	70.2	74.2	78.1	81.7	84.5	88.1	90.1	90.9	91.8	92.1	92.1	92.1	92.3	92.8	93.0
GE 400	57.0	70.3	74.3	78.3	81.8	84.8	88.8	90.9	91.8	92.8	93.1	93.4	93.9	94.3	94.6	94.8
GE 300	57.0	70.3	74.3	78.3	81.8	84.8	88.8	91.3	92.6	93.7	94.4	94.7	95.2	95.7	96.0	96.2
GE 200	57.0	70.3	74.3	78.3	81.8	84.8	88.9	91.8	93.1	94.4	95.3	95.5	96.1	96.9	97.3	97.5
GE 100	57.0	70.3	74.3	78.3	81.8	84.8	88.9	92.0	93.3	94.9	96.2	96.7	97.4	98.3	99.2	99.5
GE 0	57.0	70.3	74.3	78.3	81.8	84.8	88.9	92.0	93.3	94.9	96.2	96.7	97.4	98.5	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 0300-0500

CEILING		VISIBILITY IN STATUTE MILES																
IN FEET		GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL		25.4	28.4	29.0	29.2	29.4	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	30.0	30.0	
GE 20000	27.3	30.9	31.4	31.7	32.0	32.3	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.6	32.6	
GE 18000	27.5	31.1	31.7	31.9	32.3	32.5	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.9	32.9	
GE 16000	27.9	31.4	32.0	32.3	32.6	32.9	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.2	33.2	
GE 14000	27.9	31.4	32.0	32.3	32.6	32.9	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.2	33.2	
GE 12000	27.9	31.4	32.0	32.3	32.6	32.9	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.2	33.2	
GE 10000	29.1	33.0	33.6	34.0	34.4	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	35.0	35.0	
GE 9000	29.2	33.2	33.8	34.3	34.6	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.2	35.2	
GE 8000	30.7	35.0	35.6	36.1	36.4	36.6	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	37.0	37.0	
GE 7000	32.0	36.4	37.0	37.8	38.2	38.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.8	38.8	
GE 6000	33.5	37.9	38.5	39.4	39.7	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.3	40.3	
GE 5000	35.1	40.1	40.9	41.7	42.1	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	43.0	43.0	
GE 4500	36.9	43.0	44.0	45.0	45.5	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.6	46.6	
GE 4000	37.9	44.3	45.3	46.5	47.0	47.9	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.3	
GE 3500	40.8	47.9	49.3	50.7	51.7	52.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.3	
GE 3000	42.6	51.3	53.1	55.0	56.3	57.6	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	
GE 2500	46.7	56.1	58.4	60.6	62.1	63.6	64.2	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.7	64.7	
GE 2000	50.7	63.0	65.5	68.9	71.2	73.3	74.2	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	
GE 1800	51.5	64.7	67.1	70.6	72.8	74.9	76.0	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.0	77.0	
GE 1500	53.4	68.6	71.6	75.3	77.9	80.1	81.7	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	
GE 1200	54.1	69.6	72.9	76.7	79.6	82.0	84.2	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	86.1	86.1	
GE 1000	54.5	70.2	73.5	77.5	80.7	83.5	85.7	87.6	87.8	88.2	88.3	88.3	88.3	88.3	88.3	88.4	88.4	
GE 900	54.6	70.3	73.6	77.7	80.9	83.6	85.8	87.8	88.1	88.4	88.5	88.5	88.5	88.5	88.5	88.7	88.7	
GE 800	54.9	70.7	74.1	78.3	81.7	84.4	86.8	89.0	89.2	89.7	89.8	89.8	89.8	89.8	90.0	90.1	90.1	
GE 700	54.8	70.8	74.3	78.5	82.0	84.8	87.5	89.7	90.1	90.8	91.1	91.1	91.1	91.1	91.3	91.4	91.4	
GE 600	55.0	71.2	74.9	79.1	82.7	85.6	88.3	90.5	90.9	91.6	92.0	92.0	92.0	92.0	92.1	92.2	92.2	
GE 500	55.0	71.2	74.9	79.1	83.0	85.9	89.0	91.4	91.7	92.6	93.1	93.4	93.4	93.4	93.5	93.6	93.6	
GE 400	55.0	71.2	74.9	79.1	83.0	85.9	89.2	91.6	92.2	93.0	93.7	94.0	94.0	94.1	94.2	94.4	94.4	
GE 300	55.0	71.2	74.9	79.1	83.0	86.1	89.7	92.6	93.1	94.0	94.7	94.9	95.4	95.4	95.5	95.7	95.7	
GE 200	55.0	71.2	74.9	79.1	83.0	86.1	89.7	92.6	93.4	94.4	95.2	95.7	96.3	96.3	96.7	96.9	96.9	
GE 100	55.0	71.2	74.9	79.1	83.0	86.1	89.7	92.6	93.4	94.7	96.1	96.8	97.6	98.1	98.5	98.7	98.7	
GE 0	55.0	71.2	74.9	79.1	83.0	86.1	89.7	92.6	93.4	94.7	96.1	96.8	97.6	98.5	99.2	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURPLY OBSERVATIONS

STATION NUMBER: 705287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	13.8	22.5	23.2	23.4	23.6	23.8	24.0	24.0	24.0	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
GE 20000	20.6	24.6	25.3	25.5	25.8	26.0	26.2	26.2	26.2	26.4	26.4	26.4	26.4	26.4	26.5	26.5	26.5
GE 18000	20.6	24.6	25.3	25.5	25.8	26.0	26.2	26.2	26.2	26.4	26.4	26.4	26.4	26.4	26.5	26.5	26.5
GE 16000	20.6	24.6	25.3	25.5	25.8	26.0	26.2	26.2	26.2	26.4	26.4	26.4	26.4	26.4	26.5	26.5	26.5
GE 14000	20.9	25.1	25.9	26.2	26.5	26.7	27.0	27.0	27.0	27.1	27.1	27.1	27.1	27.1	27.2	27.2	27.2
GE 12000	21.7	26.1	27.0	27.3	27.5	27.6	28.0	28.0	28.0	28.1	28.1	28.1	28.1	28.1	28.3	28.3	28.3
GE 10000	23.3	28.3	29.1	29.4	29.7	29.9	30.1	30.1	30.1	30.3	30.3	30.3	30.3	30.3	30.4	30.4	30.4
GE 9000	23.8	28.7	29.6	29.9	30.1	30.4	30.6	30.6	30.6	30.7	30.7	30.7	30.7	30.7	30.9	30.9	30.9
GE 8000	24.9	30.3	31.3	31.7	31.9	32.2	32.4	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.6	32.6	32.6
GE 7000	26.1	31.6	32.7	33.2	33.6	33.8	34.0	34.0	34.0	34.2	34.2	34.2	34.2	34.2	34.3	34.3	34.3
GE 6000	26.8	32.4	33.7	34.3	34.6	34.9	35.1	35.1	35.1	35.2	35.2	35.2	35.2	35.2	35.3	35.3	35.3
GE 5000	28.8	35.2	36.5	37.2	37.7	37.9	38.4	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.7	38.7	38.7
GE 4500	30.4	37.7	39.0	39.8	40.4	40.7	41.3	41.3	41.3	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
GE 4000	32.3	40.1	41.4	42.4	43.1	43.7	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.6	44.6	44.6
GE 3500	34.2	43.4	45.3	46.9	48.0	48.7	49.3	49.3	49.3	49.4	49.4	49.5	49.5	49.5	49.6	49.6	49.6
GE 3000	36.2	46.2	48.5	50.4	51.5	52.4	53.3	53.8	53.8	54.0	54.1	54.1	54.1	54.1	54.3	54.3	54.3
GE 2500	39.8	51.2	54.1	57.1	58.5	59.6	60.5	61.0	61.0	61.2	61.3	61.3	61.3	61.3	61.5	61.5	61.5
GE 2000	42.9	56.9	60.9	64.3	66.9	68.6	70.4	71.3	71.5	72.0	72.2	72.2	72.2	72.2	72.3	72.3	72.3
GE 1800	43.6	58.0	62.3	65.8	68.8	70.6	72.6	73.4	73.6	74.1	74.3	74.3	74.3	74.3	74.5	74.5	74.5
GE 1600	46.1	62.2	67.1	71.0	74.1	76.4	78.7	80.0	80.3	80.7	81.1	81.1	81.1	81.1	81.2	81.2	81.2
GE 1400	46.5	63.1	68.4	72.7	76.1	79.1	81.7	83.1	83.5	83.9	84.3	84.3	84.3	84.3	84.4	84.4	84.4
GE 1200	47.0	63.9	69.3	73.8	77.7	80.9	83.7	86.1	86.8	87.4	87.7	87.7	87.7	87.9	88.1	88.1	88.1
GE 1000	47.2	64.2	69.5	74.0	77.9	81.1	84.0	86.4	87.2	87.8	88.2	88.2	88.2	88.4	88.5	88.5	88.5
GE 900	47.3	64.4	69.7	74.3	78.5	81.9	85.2	87.7	88.8	89.4	89.7	89.7	89.7	90.0	90.1	90.1	90.1
GE 800	47.3	64.4	69.9	74.6	78.8	82.3	85.7	88.4	89.5	90.1	90.4	90.4	90.4	90.9	91.0	91.0	91.0
GE 700	47.3	64.7	70.2	75.1	79.3	83.1	86.6	89.5	90.7	91.4	91.7	91.7	91.7	92.3	92.4	92.4	92.4
GE 600	47.3	64.7	70.2	75.2	79.9	83.7	87.2	90.3	91.7	92.6	93.0	93.0	93.0	93.6	93.7	93.7	93.7
GE 500	47.3	64.7	70.2	75.2	79.9	83.7	87.2	90.3	91.7	92.6	93.0	93.0	93.0	93.6	93.7	93.7	93.7
GE 400	47.3	64.7	70.2	75.2	79.9	83.7	87.2	90.3	91.7	92.6	93.0	93.0	93.0	93.6	93.7	93.7	93.7
GE 300	47.3	64.7	70.2	75.2	79.9	83.7	87.2	90.3	91.7	92.6	93.0	93.0	93.0	93.6	93.7	93.7	93.7
GE 200	47.3	64.7	70.2	75.2	79.9	83.7	87.2	90.3	91.7	92.6	93.0	93.0	93.0	93.6	93.7	93.7	93.7
GE 100	47.3	64.7	70.2	75.2	79.9	83.7	87.2	90.3	91.7	92.6	93.0	93.0	93.0	93.6	93.7	93.7	93.7
GE 0	47.3	64.7	70.2	75.2	79.9	83.7	87.2	90.3	91.7	92.6	93.0	93.0	93.0	93.6	93.7	93.7	93.7
GE 0	47.3	64.7	70.2	75.2	79.9	83.7	87.2	90.3	91.7	92.6	93.0	93.0	93.0	93.6	93.7	93.7	93.7

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 75287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	1	1/2	3/4	1	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	11	12	13
NO CEIL	18.2	22.9	24.0	25.2	25.5	25.8	26.0	26.0	26.0	26.4	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
GE 20000	20.7	25.9	27.1	28.3	28.7	29.3	29.6	29.6	29.6	29.9	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
GE 18000	21.2	26.4	27.5	28.7	29.3	30.0	30.3	30.3	30.3	30.6	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
GE 16000	21.2	26.4	27.5	28.7	29.3	30.0	30.3	30.3	30.3	30.6	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
GE 14000	21.2	26.4	27.5	28.7	29.3	30.1	30.4	30.4	30.4	30.7	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
GE 12000	22.2	27.8	29.1	30.3	31.0	31.8	32.0	32.0	32.0	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
GE 10000	23.5	29.6	30.9	32.0	32.7	33.6	33.8	33.8	33.8	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
GE 9000	23.9	30.5	31.8	33.1	33.8	34.6	34.9	34.9	34.9	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GE 8000	25.2	32.2	33.6	35.1	35.9	36.8	37.0	37.0	37.0	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
GE 7000	25.4	33.6	35.2	37.1	37.9	38.8	39.1	39.1	39.1	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 6000	26.4	34.0	35.8	37.7	38.5	39.4	39.8	39.8	39.8	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 5000	27.3	35.5	37.7	39.7	40.7	41.6	42.2	42.3	42.3	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 4500	28.8	38.3	41.1	43.3	44.3	45.3	45.9	46.0	46.0	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 4000	29.6	39.5	42.7	44.9	46.3	47.4	48.0	48.2	48.2	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 3500	30.6	41.5	45.3	48.0	49.5	50.8	51.5	52.0	52.1	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 3000	32.0	43.9	47.9	50.9	53.2	54.7	55.6	56.0	56.3	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 2500	33.3	46.1	50.6	54.1	56.5	58.6	59.7	60.3	60.5	61.2	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 2000	35.3	49.2	55.2	59.3	62.8	65.6	66.9	67.8	68.3	69.1	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 1800	35.8	49.9	56.1	60.9	64.3	67.3	69.0	70.2	70.7	71.6	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 1500	36.3	53.7	60.6	65.7	69.9	73.2	75.2	76.5	77.2	78.3	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 1200	38.8	54.3	61.7	67.3	71.9	75.7	78.3	79.7	80.4	81.4	82.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 1000	38.9	54.7	62.5	68.2	73.3	77.4	80.4	82.2	83.6	85.2	86.5	86.9	87.0	87.0	87.0	87.0	87.0	87.0
GE 900	38.9	54.7	62.8	68.4	73.5	77.8	80.9	82.7	84.3	85.9	87.2	87.7	87.8	87.8	87.8	87.8	87.8	87.8
GE 800	39.2	55.2	63.4	69.3	74.7	79.4	82.7	84.9	86.4	88.4	90.2	90.7	90.8	90.8	90.8	90.8	90.8	90.8
GE 700	39.2	55.2	63.4	69.3	75.1	79.3	83.2	85.5	87.0	89.1	91.1	91.6	91.7	91.7	91.7	91.7	91.7	91.7
GE 600	39.2	55.3	63.5	69.6	75.9	80.9	84.5	86.8	88.3	90.4	92.6	93.0	93.4	93.5	93.5	93.5	93.5	93.5
GE 500	39.2	55.3	63.5	69.6	76.4	81.3	85.2	87.9	89.5	91.6	93.9	94.3	94.7	94.9	94.9	94.9	94.9	94.9
GE 400	39.2	55.4	63.6	70.0	76.8	82.0	86.2	89.0	90.5	92.7	95.3	95.9	96.7	96.9	96.9	96.9	96.9	96.9
GE 300	39.2	55.4	63.6	70.0	77.0	82.3	86.5	89.5	91.1	93.6	96.3	97.0	97.9	98.1	98.2	98.2	98.2	98.2
GE 200	39.2	55.4	63.6	70.0	77.0	82.3	86.8	89.7	91.4	94.0	97.0	97.8	98.6	98.9	99.4	99.4	99.4	99.4
GE 100	39.2	55.4	63.6	70.0	77.0	82.3	86.8	89.7	91.4	94.0	97.0	97.8	98.6	99.2	99.6	99.6	99.6	99.6
GE 0	39.2	55.4	63.6	70.0	77.0	82.3	86.8	89.7	91.4	94.0	97.0	97.8	98.6	99.2	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16	GE 17
NO CEIL	22.0	25.2	25.8	26.0	26.4	26.4	26.4	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
GE 20000	25.7	29.6	30.4	31.0	31.3	31.3	31.3	31.6	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
GE 18000	25.7	29.6	30.5	31.1	31.4	31.4	31.4	31.7	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
GE 16000	25.8	29.7	30.6	31.2	31.6	31.6	31.6	31.8	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 14000	26.2	30.1	31.1	31.7	32.0	32.0	32.0	32.3	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
GE 12000	27.7	31.7	32.6	33.2	33.6	33.6	33.6	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
GE 10000	29.0	33.7	34.8	35.3	35.7	35.7	35.7	35.9	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
GE 9000	29.4	34.8	35.8	36.4	36.9	36.9	36.9	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 8000	30.1	36.1	37.2	37.9	38.5	38.5	38.5	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 7000	30.3	36.5	37.8	38.5	39.1	39.1	39.1	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 6000	31.3	37.6	39.0	39.7	40.3	40.3	40.3	40.5	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 5000	32.3	38.9	40.5	41.4	42.4	42.6	42.9	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 4500	33.5	40.7	42.7	43.6	44.7	44.8	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 4000	34.6	42.4	44.6	45.5	46.7	46.9	47.4	47.6	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 3500	35.7	44.4	46.8	47.8	49.4	49.6	50.4	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 3000	36.8	46.8	49.6	50.9	53.2	53.9	54.8	55.3	55.6	55.7	55.7	55.7	55.8	55.9	55.9	55.9	55.9
GE 2500	39.0	50.8	54.3	56.1	58.6	59.7	60.8	61.3	61.6	61.7	61.7	61.8	61.9	61.9	61.9	61.9	61.9
GE 2000	42.9	56.4	60.3	63.2	66.4	67.7	69.5	70.3	70.7	71.0	71.2	71.3	71.4	71.4	71.4	71.4	71.4
GE 1800	44.1	58.4	62.6	66.1	69.7	71.2	73.2	74.0	74.5	74.8	75.1	75.2	75.3	75.3	75.3	75.3	75.3
GE 1500	45.2	61.3	66.5	70.2	75.2	77.2	79.8	81.2	81.9	82.4	82.7	82.9	83.0	83.0	83.0	83.0	83.0
GE 1200	45.5	62.5	67.8	71.7	77.4	79.4	82.2	83.6	84.3	84.9	85.5	85.6	85.9	86.1	86.1	86.1	86.1
GE 1000	45.7	63.1	69.0	73.5	79.3	81.3	84.4	85.8	86.6	87.5	88.1	88.4	88.8	88.9	88.9	88.9	88.9
GE 900	45.7	63.1	69.0	73.5	79.3	81.6	84.8	86.2	87.2	88.1	88.0	89.4	89.7	90.0	90.1	90.1	90.1
GE 800	45.7	63.2	69.4	74.1	80.4	82.7	86.3	87.8	88.9	89.7	90.7	91.0	91.4	91.6	91.7	91.7	91.7
GE 700	45.7	63.4	69.5	74.3	80.7	83.3	86.9	88.4	89.5	90.4	91.6	92.0	92.3	92.6	92.7	92.7	92.7
GE 600	45.7	63.5	69.6	74.5	81.1	83.6	87.8	89.4	90.4	91.4	92.8	93.3	93.7	94.2	94.6	94.6	94.6
GE 500	45.9	63.6	69.7	74.7	81.3	84.3	88.3	90.0	91.1	92.3	93.7	94.2	94.7	95.3	95.6	95.6	95.6
GE 400	45.9	63.6	69.7	74.9	81.6	84.6	88.8	90.5	91.7	93.0	94.6	95.0	95.5	96.2	96.6	96.6	96.6
GE 300	45.9	63.6	69.7	74.9	81.7	85.0	89.4	91.5	92.7	94.1	95.6	96.2	96.7	97.5	97.9	97.9	97.9
GE 200	45.9	63.6	69.7	74.9	81.7	85.1	89.6	91.7	93.0	94.6	96.2	96.9	97.5	98.5	98.9	98.9	98.9
GE 100	45.9	63.6	69.7	74.9	81.7	85.1	89.6	91.7	93.0	94.6	96.2	96.9	97.8	98.8	99.4	99.4	99.4
GE 0	45.9	63.6	69.7	74.9	81.7	85.1	89.6	91.7	93.0	94.6	96.2	96.9	97.8	98.8	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 846



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 1500-1700

CEILING IN FEET	1	CL 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	VISIBILITY IN STATUTE MILES									
								GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	1	22.6	26.6	27.2	27.5	27.5	27.7	27.7	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
GE 20000	1	25.4	30.0	30.7	31.2	31.3	31.4	31.4	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
GE 18000	1	25.5	30.1	30.9	31.3	31.4	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
GE 16000	1	25.5	30.1	30.9	31.3	31.4	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
GE 14000	1	26.5	31.2	31.9	32.4	32.5	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
GE 12000	1	27.4	32.4	33.2	33.6	33.9	34.0	34.0	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
GE 10000	1	29.7	34.9	35.7	36.4	36.5	36.6	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 9000	1	29.9	35.2	36.1	36.8	36.9	37.0	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 8000	1	31.6	37.4	38.2	39.0	39.1	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 7000	1	31.9	38.1	39.0	40.0	40.1	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 6000	1	32.6	39.4	40.4	41.5	41.6	41.6	41.6	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
GE 5000	1	37.9	40.9	42.1	43.4	43.6	44.0	44.0	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 4500	1	35.7	42.9	44.1	45.4	46.0	46.7	46.7	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 4000	1	37.6	45.4	47.2	48.8	49.8	50.5	50.6	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 3500	1	38.8	47.2	49.1	51.4	52.4	53.3	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
GE 3000	1	42.1	51.2	53.3	56.4	57.6	58.6	58.9	59.0	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 2500	1	45.2	56.4	59.0	62.4	63.6	65.4	65.7	65.8	66.1	66.2	66.2	66.3	66.4	66.5	66.5	66.5
GE 2000	1	49.8	61.9	65.8	70.7	72.6	74.5	75.1	75.3	75.7	75.9	75.9	76.0	76.1	76.2	76.2	76.2
GE 1800	1	49.6	63.5	67.4	72.5	74.3	76.4	77.0	77.3	77.7	78.0	78.1	78.3	78.4	78.5	78.5	78.5
GE 1500	1	50.8	66.0	70.3	75.7	78.7	81.0	82.0	82.6	83.1	83.6	83.8	83.9	84.0	84.2	84.2	84.2
GE 1200	1	51.1	66.8	71.3	76.8	80.3	83.0	84.5	85.8	86.4	87.0	87.4	87.5	87.9	88.1	88.1	88.1
GE 1000	1	51.1	66.9	71.4	77.3	81.1	84.2	85.9	87.2	87.9	88.7	89.0	89.1	89.6	89.7	89.7	89.7
GE 900	1	51.1	66.9	71.5	77.5	81.3	84.5	86.6	88.1	88.8	89.6	90.1	90.2	90.7	90.8	90.8	90.8
GE 800	1	51.2	67.0	71.6	77.6	81.7	84.9	87.2	88.8	89.5	90.4	91.3	91.4	92.0	92.1	92.1	92.1
GE 700	1	51.2	67.0	71.6	77.9	81.8	85.3	87.9	89.6	90.3	91.3	92.3	92.6	93.1	93.3	93.3	93.3
GE 600	1	51.2	67.1	71.7	78.0	82.5	86.1	88.8	90.7	91.4	92.4	93.6	94.0	94.6	94.7	94.8	94.8
GE 500	1	51.2	67.1	71.7	78.1	82.6	86.2	88.9	90.9	91.6	92.7	94.1	94.6	95.4	95.6	95.7	95.7
GE 400	1	51.2	67.1	71.7	78.3	82.7	86.3	89.1	91.1	92.1	93.1	94.7	95.2	96.0	96.2	96.3	96.3
GE 300	1	51.2	67.1	71.7	78.3	82.7	86.4	89.5	91.8	92.8	94.1	95.6	96.1	96.9	97.6	97.9	98.0
GE 200	1	51.2	67.1	71.7	78.3	82.7	86.4	89.6	92.0	93.1	94.6	96.1	96.6	97.5	98.2	98.5	98.6
GE 100	1	51.2	67.1	71.7	78.3	82.7	86.4	89.6	92.0	93.1	94.6	96.1	96.6	97.5	98.5	99.2	99.5
GE 0	1	51.2	67.1	71.7	78.3	82.7	86.4	89.6	92.0	93.1	94.6	96.1	96.6	97.5	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(EST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	26.1	20.1	31.1	31.3	31.4	31.4	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
GE 20000	28.9	34.0	35.0	35.5	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 18000	29.2	34.5	35.5	35.9	36.2	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 16000	29.4	34.9	35.8	36.3	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 14000	30.0	35.5	36.4	36.9	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
GE 12000	31.3	37.2	38.2	38.7	38.9	39.0	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 10000	33.0	39.1	40.1	40.7	40.9	41.0	41.1	41.1	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 9000	33.6	39.7	40.7	41.3	41.5	41.6	41.7	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 8000	34.6	41.4	42.3	42.9	43.1	43.3	43.4	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 7000	35.3	42.3	43.4	44.3	44.6	44.7	44.8	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 6000	36.3	43.5	44.7	45.6	45.9	46.0	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 5000	38.1	45.6	46.9	47.9	48.2	48.3	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 4500	40.5	48.7	50.1	51.2	51.8	51.9	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 4000	42.6	51.4	52.8	54.3	55.1	55.2	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 3500	45.0	54.6	56.4	58.2	59.2	59.3	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 3000	45.7	57.2	59.1	61.1	62.5	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 2500	51.3	63.7	66.0	68.6	70.0	71.3	71.4	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 2000	54.4	67.6	70.2	73.2	74.8	76.4	77.0	77.1	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4
GE 1800	55.3	68.7	71.4	74.6	76.2	77.8	78.4	78.5	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8
GE 1600	56.9	71.2	74.2	77.8	79.5	81.9	82.7	83.2	83.5	83.6	83.7	83.7	83.8	83.8	83.8	83.8
GE 1400	57.0	72.0	75.2	79.1	81.6	83.7	85.0	85.7	85.9	86.1	86.4	86.6	86.8	86.8	86.8	86.8
GE 1000	57.3	72.6	75.9	80.1	82.6	85.1	86.8	87.5	87.8	88.2	88.8	89.0	89.2	89.2	89.2	89.2
GE 900	57.3	72.7	76.0	80.3	82.7	85.2	87.0	87.6	88.2	88.8	89.4	89.6	89.8	90.0	90.0	90.0
GE 800	57.6	72.9	76.5	80.7	83.2	85.6	87.7	88.7	89.1	89.7	90.4	90.7	90.9	91.0	91.0	91.0
GE 700	57.7	73.3	76.8	81.3	83.8	86.6	89.9	89.8	90.3	91.0	91.7	92.1	92.3	92.4	92.6	92.6
GE 600	57.7	73.4	77.0	81.6	84.0	87.0	89.1	90.2	90.7	91.5	92.3	92.7	93.0	93.3	93.4	93.4
GE 500	57.6	73.6	77.3	82.0	84.5	87.7	89.6	91.1	91.6	92.8	93.7	94.3	94.8	95.2	95.3	95.3
GE 400	57.8	73.6	77.3	82.0	84.8	87.9	90.4	92.2	92.8	94.0	94.9	95.5	96.0	96.3	96.5	96.5
GE 300	57.8	73.8	77.4	82.3	85.0	88.3	91.0	93.5	94.2	95.5	96.6	97.2	97.8	98.1	98.2	98.2
GE 200	57.9	73.8	77.4	82.3	85.0	88.3	91.0	93.9	94.7	96.0	97.0	97.6	98.3	98.8	99.1	99.1
GE 100	57.9	73.8	77.4	82.3	85.0	88.3	91.0	93.9	94.7	96.0	97.0	97.6	98.3	98.8	99.1	99.1
GE 0	57.8	73.8	77.4	82.3	85.0	88.3	91.0	93.9	94.7	96.0	97.0	97.8	98.5	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 246

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 76-87  
MONTH: FEB HOURS(IST): 2100-2300

CEILING FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE U
NO CEIL	24.8	28.7	29.8	30.5	31.3	31.3	31.6	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7
GE 2000	26.6	30.7	31.8	32.6	33.5	33.5	33.8	33.8	33.8	33.9	33.9	33.9	34.0	34.0	34.0	34.0
GE 1800	26.6	30.7	31.8	32.6	33.5	33.5	33.8	33.8	33.8	33.9	33.9	33.9	34.0	34.0	34.0	34.0
GE 1600	26.7	31.1	32.2	33.0	33.8	33.8	34.2	34.2	34.2	34.3	34.3	34.3	34.4	34.4	34.4	34.4
GE 1400	26.8	31.2	32.3	33.1	33.9	33.9	34.3	34.3	34.3	34.4	34.4	34.4	34.5	34.5	34.5	34.5
GE 1200	28.5	33.7	34.8	35.6	36.4	36.4	36.8	36.8	36.8	36.9	36.9	36.9	37.0	37.0	37.0	37.0
GE 1000	30.5	36.1	37.1	37.9	38.8	38.8	39.1	39.1	39.1	39.4	39.4	39.4	39.5	39.5	39.5	39.5
GE 900	31.3	36.9	37.9	38.8	39.6	39.6	40.0	40.0	40.0	40.2	40.2	40.2	40.3	40.3	40.3	40.3
GE 800	32.5	38.5	39.6	40.4	41.3	41.3	41.6	41.6	41.6	41.8	41.8	41.8	42.0	42.0	42.0	42.0
GE 700	33.7	39.6	40.9	42.0	42.8	42.8	43.1	43.1	43.1	43.4	43.4	43.4	43.5	43.5	43.5	43.5
GE 600	33.6	39.8	41.1	42.2	43.0	43.0	43.5	43.5	43.5	43.7	43.7	43.7	43.9	43.9	43.9	43.9
GE 500	35.5	42.2	43.6	45.4	46.3	46.6	46.9	46.9	46.9	47.2	47.2	47.2	47.3	47.3	47.3	47.3
GE 450	39.0	46.1	47.8	49.8	50.7	51.1	51.4	51.4	51.4	51.7	51.7	51.7	51.8	51.8	51.8	51.8
GE 400	40.8	48.2	50.1	52.1	53.2	53.5	53.9	53.9	53.9	54.1	54.1	54.1	54.3	54.3	54.3	54.3
GE 350	43.7	52.0	53.9	56.0	57.1	57.6	58.2	58.2	58.2	58.4	58.4	58.4	58.5	58.5	58.5	58.5
GE 300	45.0	55.1	57.0	59.6	61.0	61.6	62.2	62.2	62.2	62.4	62.4	62.4	62.5	62.5	62.5	62.5
GE 250	48.9	60.4	62.3	64.9	66.7	67.5	68.4	68.4	68.4	68.7	68.7	68.7	68.8	68.8	68.8	68.8
GE 200	52.7	66.7	68.8	71.5	73.6	75.1	76.5	76.6	76.7	77.0	77.0	77.0	77.1	77.1	77.1	77.1
GE 180	54.0	68.2	70.3	73.0	75.3	76.6	78.5	78.6	78.7	79.0	79.0	79.0	79.1	79.1	79.1	79.1
GE 150	55.7	70.4	72.9	76.4	79.1	80.9	83.3	84.0	84.3	84.6	84.6	84.6	84.8	84.8	84.8	84.8
GE 120	55.7	71.5	74.6	78.4	81.2	83.1	85.8	86.5	86.8	87.2	87.2	87.2	87.4	87.4	87.4	87.4
GE 100	55.9	72.6	75.8	79.9	83.0	85.0	88.3	89.0	89.2	89.6	89.8	89.8	90.0	90.0	90.0	90.0
GE 90	56.1	72.8	76.0	80.1	83.3	85.3	88.9	89.6	89.8	90.4	90.4	90.4	90.5	90.5	90.5	90.5
GE 80	56.4	73.0	76.4	80.5	84.0	86.1	89.6	90.5	90.8	91.5	91.5	91.5	91.6	91.6	91.6	91.6
GE 70	56.5	73.5	77.0	81.1	84.6	86.6	90.4	91.5	91.7	92.7	92.7	92.7	92.9	92.9	93.0	93.0
GE 60	56.5	73.5	77.0	81.1	84.6	86.6	90.4	91.6	91.8	92.6	92.8	92.8	92.9	93.1	93.3	93.3
GE 50	56.5	73.5	77.1	81.2	84.6	86.6	90.7	92.0	92.2	93.1	93.5	93.5	93.6	93.9	94.0	94.0
GE 40	56.5	73.6	77.2	81.3	85.1	87.4	91.3	92.6	92.8	93.7	94.1	94.3	94.4	94.7	94.8	94.8
GE 30	56.5	73.6	77.2	81.3	85.1	87.6	91.5	93.1	93.4	94.3	94.7	95.0	95.4	95.9	96.2	96.2
GE 20	56.5	73.6	77.2	81.3	85.1	87.7	91.7	93.9	94.2	95.5	95.9	96.2	96.6	97.3	97.8	97.8
GE 10	56.5	73.6	77.2	81.3	85.1	87.7	91.7	93.9	94.7	96.2	96.9	97.4	97.9	98.8	99.4	99.6
GE 0	56.5	73.6	77.2	81.3	85.1	87.7	91.7	93.9	94.7	96.2	96.9	97.4	97.9	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): ALL

CFILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
NO CEIL	27.0	26.7	27.5	28.0	28.3	28.4	28.6	28.7	28.7	28.8	28.8	28.8	28.8	28.8	28.9	28.9
GE 20000	29.3	29.6	30.5	31.0	31.4	31.6	31.8	31.9	31.9	32.0	32.0	32.0	32.0	32.0	32.1	32.1
GE 18000	29.4	29.7	30.6	31.2	31.6	31.8	32.0	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.3	32.3
GE 16000	29.5	29.9	30.8	31.4	31.8	31.9	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.4
GE 14000	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 12000	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 10000	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 9000	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 8000	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 7000	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 6000	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 5000	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 4500	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 4000	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 3500	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 3000	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 2500	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 2000	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 1800	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 1600	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 1400	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 1200	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 1000	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 900	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 800	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 700	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 600	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 500	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 400	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 300	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 200	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 100	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9
GE 0	29.9	30.3	31.2	31.8	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	36.6	39.6	40.1	40.3	40.4	40.5	40.9	41.5	41.5	41.5	41.5	41.5	41.5	41.6	41.6	41.6
GE 20000	38.3	41.5	42.0	42.4	42.5	42.6	42.9	43.5	43.5	43.5	43.5	43.5	43.5	43.7	43.7	43.7
GE 18000	39.3	41.5	42.0	42.4	42.5	42.6	42.9	43.5	43.5	43.5	43.5	43.5	43.5	43.7	43.7	43.7
GE 16000	39.4	41.6	42.2	42.5	42.6	42.7	43.0	43.7	43.7	43.7	43.7	43.7	43.7	43.8	43.8	43.8
GE 14000	39.6	41.9	42.5	42.8	42.9	43.0	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.1	44.1	44.1
GE 12000	39.7	43.3	43.9	44.2	44.3	44.4	44.7	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5
GE 10000	40.1	44.0	44.6	44.9	45.1	45.3	45.6	46.3	46.3	46.3	46.3	46.3	46.3	46.5	46.5	46.5
GE 9000	40.4	44.3	44.9	45.3	45.4	45.6	45.9	46.7	46.7	46.7	46.7	46.7	46.7	46.8	46.8	46.8
GE 8000	42.4	46.3	47.0	47.3	47.4	47.6	48.0	48.7	48.7	48.7	48.7	48.7	48.7	48.8	48.8	48.8
GE 7000	42.6	46.7	47.4	47.7	47.8	48.1	48.4	49.1	49.1	49.1	49.1	49.1	49.1	49.2	49.2	49.2
GE 6000	43.8	48.2	49.0	49.4	49.5	49.7	50.0	50.8	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9
GE 5000	46.1	51.7	52.6	53.0	53.1	53.3	53.7	54.4	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.5
GE 4000	49.2	55.2	56.1	56.9	57.1	57.3	57.6	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5
GE 3000	50.5	58.4	59.6	60.3	60.5	60.8	61.1	61.9	62.0	62.2	62.2	62.2	62.2	62.3	62.3	62.3
GE 2000	52.4	61.0	62.3	63.2	64.0	64.2	64.5	65.4	65.5	65.6	65.6	65.6	65.6	65.7	65.7	65.7
GE 1000	54.5	65.2	66.5	67.4	68.2	68.4	68.7	69.6	69.6	69.7	69.8	69.8	69.8	69.9	69.9	69.9
GE 2000	57.7	69.1	70.6	71.6	72.6	72.9	73.2	74.1	74.2	74.3	74.3	74.3	74.3	74.4	74.4	74.4
GE 2000	60.4	74.0	75.9	77.5	78.5	79.0	79.5	80.5	80.8	80.9	80.9	80.9	80.9	81.0	81.0	81.0
GE 1800	61.3	74.8	77.0	78.7	79.7	80.3	80.8	82.0	82.3	82.4	82.4	82.4	82.4	82.5	82.5	82.5
GE 1500	61.8	76.3	79.1	81.0	82.6	83.5	84.3	85.7	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.2
GE 1200	61.9	76.8	79.7	81.6	83.3	84.4	85.2	86.6	86.9	87.0	87.0	87.0	87.0	87.1	87.1	87.1
GE 1000	62.0	77.3	80.4	82.7	84.5	85.7	86.5	88.0	88.3	88.7	88.7	88.7	88.7	88.8	88.8	88.8
GE 900	62.2	77.4	80.5	82.9	84.8	86.0	86.9	88.4	88.7	89.1	89.1	89.1	89.1	89.4	89.4	89.4
GE 800	62.3	78.2	81.4	84.5	86.8	88.0	88.7	90.4	90.8	91.2	91.3	91.3	91.3	91.4	91.4	91.4
GE 700	62.4	78.4	81.7	85.1	87.5	88.8	89.9	91.6	91.9	92.4	92.5	92.5	92.5	92.6	92.6	92.6
GE 600	62.4	78.6	82.2	85.5	88.0	89.2	90.3	92.2	92.5	92.6	92.6	92.6	92.6	93.1	93.2	93.2
GE 500	62.4	78.6	82.6	85.9	88.5	89.9	91.3	93.2	93.5	94.1	94.4	94.4	94.4	94.5	94.5	94.5
GE 400	62.4	78.9	82.8	86.5	89.1	90.8	92.5	94.5	94.9	95.6	96.0	96.0	96.0	96.1	96.1	96.1
GE 300	62.4	78.9	82.8	86.6	89.4	91.1	93.0	95.1	96.0	96.9	97.5	97.5	97.5	97.6	97.6	97.6
GE 200	62.4	78.9	82.8	86.6	89.4	91.1	93.0	95.3	96.3	97.3	98.1	98.1	98.1	98.4	98.7	98.7
GE 100	62.4	78.9	82.8	86.6	89.4	91.1	93.0	95.3	96.3	97.3	98.3	98.3	98.3	98.6	99.0	99.7
GE 0	62.4	78.9	82.8	86.6	89.4	91.1	93.0	95.3	96.3	97.3	98.3	98.4	98.7	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY FRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: MAR FOURS(EST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/2	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15
NO CEIL	36.8	38.9	39.2	39.5	39.7	40.0	40.1	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5
GE 2000	39.0	41.2	41.5	41.7	41.9	42.3	42.4	42.7	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8
GE 1800	39.0	41.2	41.5	41.7	41.9	42.3	42.4	42.7	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8
GE 1600	39.0	41.2	41.5	41.7	41.9	42.3	42.4	42.7	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8
GE 1400	39.1	41.3	41.6	41.8	42.0	42.4	42.5	42.8	42.8	42.8	42.8	42.9	42.9	42.9	42.9	42.9
GE 1200	40.5	42.8	43.1	43.3	43.5	43.9	44.0	44.3	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5
GE 1000	41.1	43.4	43.8	44.1	44.4	44.7	44.8	45.2	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4
GE 900	41.4	43.8	44.1	44.4	44.7	45.1	45.2	45.5	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7
GE 800	43.1	45.7	46.0	46.3	46.7	47.0	47.1	47.4	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6
GE 700	43.1	45.8	46.1	46.5	46.8	47.1	47.2	47.5	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7
GE 600	44.4	47.4	48.1	48.5	49.0	49.4	49.5	49.8	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0
GE 500	46.5	50.8	51.8	52.3	52.9	53.3	53.4	53.8	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0
GE 450	49.0	55.4	56.5	57.0	58.3	58.7	58.8	59.1	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4
GE 400	50.2	56.9	58.2	58.7	60.0	60.5	60.6	61.0	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3
GE 350	51.8	59.6	61.1	62.0	63.4	64.1	64.2	64.5	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8
GE 300	53.7	62.6	64.4	65.9	67.4	68.2	68.3	68.6	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9
GE 250	56.1	66.2	68.4	70.0	71.7	72.5	72.6	72.9	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3
GE 200	59.4	71.5	74.5	76.7	78.5	79.2	79.6	80.2	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6
GE 180	59.7	72.0	75.2	77.4	79.2	80.1	80.5	81.3	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7
GE 150	60.9	74.4	78.4	81.0	82.9	83.8	84.3	85.2	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7
GE 120	61.3	75.2	79.4	82.2	84.3	85.2	86.0	86.9	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.5
GE 100	61.4	75.7	80.3	83.2	85.5	86.6	87.4	88.3	88.6	88.7	88.9	88.9	88.9	88.9	88.9	89.0
GE 90	61.5	76.1	80.8	83.7	85.9	87.0	87.8	88.8	89.1	89.2	89.5	89.5	89.5	89.5	89.5	89.6
GE 80	61.5	76.2	80.9	84.1	86.5	87.6	88.6	89.7	90.0	90.1	90.3	90.3	90.3	90.3	90.3	90.4
GE 70	61.6	76.5	81.3	84.7	87.3	88.6	90.0	91.2	91.5	91.6	91.9	91.9	91.9	91.9	91.9	92.0
GE 60	61.7	76.7	81.6	85.2	87.8	89.4	91.0	92.2	92.6	92.7	93.0	93.0	93.0	93.0	93.0	93.1
GE 50	61.7	77.1	82.0	85.8	89.5	90.1	91.9	93.1	93.5	93.7	94.1	94.1	94.1	94.1	94.1	94.2
GE 40	61.7	77.2	82.2	86.0	89.7	90.5	92.7	93.5	94.5	94.8	95.4	95.4	95.5	95.5	95.5	95.6
GE 30	61.7	77.2	82.2	86.0	89.8	90.8	92.9	94.3	95.1	95.4	96.5	96.5	96.6	96.6	96.7	96.8
GE 20	61.7	77.2	82.2	86.0	89.8	90.8	92.9	94.3	95.3	95.8	97.2	97.2	97.4	97.4	97.5	97.6
GE 10	61.7	77.2	82.2	86.0	89.8	90.8	92.9	94.3	95.3	95.9	97.5	97.6	98.4	98.5	98.8	99.5
GE 0	61.7	77.2	82.2	86.0	89.8	90.8	92.9	94.3	95.3	95.9	97.5	97.8	98.5	98.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	1	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	0
NO CEIL	26.2	30.0	31.1	32.5	33.8	34.1	34.5	34.6	34.6	34.7	34.9	35.1	35.3	35.3	35.3	35.4	
GE 20000	29.8	73.2	34.3	35.7	37.0	37.3	37.7	37.8	37.8	38.0	38.2	38.3	38.5	38.5	38.5	38.6	
GE 18000	29.8	73.2	34.3	35.7	37.0	37.3	37.7	37.8	37.8	38.0	38.2	38.3	38.5	38.5	38.5	38.6	
GE 16000	29.8	73.3	34.4	35.8	37.1	37.4	37.8	38.0	38.0	38.1	38.3	38.4	38.6	38.6	38.6	38.7	
GE 14000	29.9	73.4	34.5	35.9	37.2	37.5	38.0	38.1	38.1	38.2	38.4	38.5	38.7	38.7	38.7	38.8	
GE 12000	30.2	34.9	36.0	37.4	38.7	39.0	39.5	39.6	39.6	39.7	39.9	40.0	40.2	40.2	40.2	40.3	
GE 10000	31.6	76.7	37.8	39.4	40.8	41.1	41.5	41.7	41.7	41.8	42.2	42.3	42.5	42.5	42.5	42.6	
GE 9000	32.0	37.4	38.6	40.1	41.5	41.8	42.3	42.5	42.5	42.6	42.9	43.0	43.2	43.2	43.2	43.3	
GE 8000	33.9	39.7	41.0	42.5	43.9	44.2	44.6	44.8	44.8	44.9	45.3	45.4	45.6	45.6	45.6	45.7	
GE 7000	34.4	40.4	41.7	43.2	44.6	44.9	45.4	45.6	45.6	45.7	46.0	46.1	46.3	46.3	46.3	46.5	
GE 6000	35.5	41.7	43.1	44.6	46.2	46.6	47.0	47.2	47.2	47.3	47.6	47.7	48.0	48.0	48.0	48.1	
GE 5000	37.7	44.5	45.9	47.5	49.5	49.8	50.4	50.6	50.6	50.8	51.1	51.2	51.4	51.4	51.4	51.5	
GE 4500	40.3	47.8	49.8	52.0	54.2	54.6	55.4	55.6	55.6	55.7	56.0	56.1	56.3	56.3	56.3	56.5	
GE 4000	41.9	49.9	52.0	54.4	56.6	57.3	58.1	58.3	58.3	58.4	59.7	58.8	59.0	59.0	59.0	59.1	
GE 3500	42.7	51.0	53.7	56.7	59.5	60.3	61.4	61.7	61.7	61.8	62.2	62.3	62.5	62.5	62.5	62.6	
GE 3000	44.4	53.5	56.6	59.9	63.2	64.4	65.6	65.9	65.9	66.2	66.6	66.7	66.9	66.9	66.9	67.0	
GE 2500	46.5	56.7	60.2	63.8	67.4	69.0	70.5	71.0	71.1	71.4	71.7	71.8	72.0	72.0	72.0	72.2	
GE 2000	48.8	60.1	63.9	68.3	73.0	75.3	77.0	77.8	78.1	78.6	79.9	79.0	79.2	79.4	79.4	79.5	
GE 1800	49.5	60.8	64.6	69.1	74.0	76.5	78.2	79.1	79.6	80.1	80.4	80.5	80.8	80.9	80.9	81.0	
GE 1500	50.4	63.1	67.4	72.7	78.0	80.9	82.8	84.0	84.4	85.1	85.4	85.5	85.8	85.9	85.9	86.0	
GE 1200	50.5	63.4	67.8	73.2	78.7	81.9	84.0	85.4	85.8	86.5	86.8	86.9	87.2	87.3	87.3	87.4	
GE 1000	51.6	63.7	68.3	74.1	79.8	83.0	85.3	86.9	87.6	88.5	88.9	89.0	89.4	89.5	89.5	89.6	
GE 900	52.6	64.0	68.6	74.4	80.1	83.3	85.6	87.2	88.0	88.8	89.2	89.4	89.7	89.8	89.8	89.9	
GE 800	52.6	64.1	68.8	74.9	80.9	84.4	86.7	88.3	89.0	90.0	90.4	90.5	90.9	91.0	91.0	91.1	
GE 700	52.6	64.1	68.8	75.2	81.1	84.7	87.4	89.0	89.9	91.2	91.7	91.9	92.4	92.5	92.5	92.6	
GE 600	52.6	64.2	69.0	75.5	81.4	85.4	88.2	90.0	90.9	92.5	93.0	93.2	93.7	93.8	93.8	93.9	
GE 500	52.6	64.2	69.0	75.8	81.9	86.3	89.1	91.0	92.0	94.0	94.7	95.1	95.6	95.8	95.8	96.0	
GE 400	52.6	64.2	69.1	75.9	82.0	86.5	89.4	91.4	92.7	94.7	95.6	95.9	96.5	96.7	96.7	96.9	
GE 300	52.6	64.2	69.1	75.9	82.0	86.6	89.7	91.9	93.4	95.6	96.7	97.0	97.5	97.7	98.2	98.4	
GE 200	52.6	64.2	69.1	75.9	82.0	86.6	89.8	92.2	93.7	95.8	97.1	97.4	98.0	98.2	98.7	99.0	
GE 100	52.6	64.2	69.1	75.9	82.0	86.6	89.8	92.2	93.7	95.8	97.1	97.4	98.1	98.4	99.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	31.5	35.8	37.1	38.1	38.8	39.2	39.6	39.7	39.8	39.8	39.9	39.9	39.9	39.9	40.0	40.0
GE 20000	33.9	38.7	40.3	41.3	42.0	42.6	42.9	43.0	43.1	43.1	43.2	43.2	43.2	43.2	43.3	43.3
GE 18000	34.0	38.8	40.4	41.4	42.2	42.7	43.0	43.1	43.2	43.2	43.2	43.2	43.3	43.3	43.4	43.4
GE 16000	34.0	38.6	40.4	41.4	42.2	42.7	43.0	43.1	43.2	43.2	43.2	43.2	43.3	43.3	43.4	43.4
GE 14000	34.3	39.2	40.9	41.8	42.6	43.1	43.4	43.5	43.7	43.7	43.7	43.7	43.8	43.8	43.9	43.9
GE 12000	35.7	40.6	42.4	43.3	44.1	44.6	44.9	45.1	45.2	45.2	45.3	45.3	45.3	45.3	45.4	45.4
GE 10000	36.5	41.6	43.2	44.2	44.9	45.5	45.8	45.9	46.0	46.0	46.1	46.1	46.1	46.2	46.2	46.2
GE 9000	36.5	41.8	43.4	44.4	45.2	45.7	46.0	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.5	46.5
GE 8000	37.7	43.3	44.9	46.0	46.8	47.3	47.6	47.7	47.8	47.8	48.0	48.0	48.0	48.1	48.1	48.1
GE 7000	39.5	45.5	47.1	48.3	49.0	49.6	49.9	50.0	50.1	50.1	50.2	50.2	50.2	50.3	50.3	50.3
GE 6000	40.0	46.3	48.2	49.4	50.1	50.6	51.0	51.1	51.2	51.2	51.3	51.3	51.3	51.4	51.4	51.4
GE 5000	41.4	48.4	50.0	51.4	52.6	53.1	53.4	53.5	53.7	53.7	53.8	53.8	53.8	53.9	53.9	53.9
GE 4500	42.5	49.9	51.9	53.5	54.8	55.6	55.9	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.5	56.5
GE 4000	42.9	50.4	52.7	54.5	55.9	56.8	57.1	57.4	57.5	57.6	57.7	57.7	57.7	57.8	57.8	57.8
GE 3500	44.0	52.1	54.5	56.6	58.0	59.0	59.4	59.7	59.8	59.9	60.0	60.0	60.0	60.1	60.1	60.1
GE 3000	45.6	54.6	57.4	59.9	61.7	63.0	63.5	63.9	64.0	64.2	64.4	64.4	64.4	64.5	64.5	64.5
GE 2500	47.3	57.0	60.8	63.7	65.6	67.3	68.0	68.4	68.5	68.7	68.9	68.9	68.9	69.1	69.2	69.2
GE 2000	50.1	61.0	65.4	68.8	71.5	74.2	75.4	76.0	76.5	76.7	76.9	76.9	76.9	77.1	77.2	77.2
GE 1800	51.2	62.3	66.7	70.3	73.1	75.9	77.2	77.8	78.3	78.5	78.7	78.7	78.7	78.9	79.0	79.0
GE 1600	52.3	64.3	69.0	74.1	78.3	81.8	83.2	84.0	84.4	84.6	84.8	84.8	84.8	85.1	85.5	85.5
GE 1500	52.4	65.3	70.1	75.4	80.0	83.9	85.7	86.6	87.1	87.3	87.7	87.8	88.3	88.4	88.4	88.4
GE 1000	52.5	65.7	70.6	76.3	81.1	85.1	87.1	88.1	88.6	89.0	89.7	89.8	90.2	90.3	90.3	90.3
GE 900	52.5	65.7	70.8	76.6	81.5	85.5	87.6	88.6	89.2	89.7	90.3	90.4	90.9	91.0	91.0	91.0
GE 800	52.5	65.7	71.0	76.9	81.9	85.9	88.1	89.2	89.9	90.3	91.0	91.1	91.5	91.6	91.6	91.6
GE 700	52.5	65.7	71.1	77.0	82.3	86.5	88.8	90.0	90.6	91.2	92.0	92.2	92.6	92.7	92.7	92.7
GE 600	52.5	65.7	71.1	77.0	82.4	86.8	89.1	90.5	91.2	91.8	92.8	93.5	94.0	94.1	94.3	94.3
GE 500	52.5	65.7	71.2	77.7	83.2	88.0	90.5	91.9	92.6	93.2	94.4	94.9	95.6	95.7	95.9	95.9
GE 400	52.5	65.7	71.2	77.7	83.4	88.2	90.9	92.7	93.4	94.2	95.5	96.0	96.8	97.1	97.4	97.4
GE 300	52.5	65.7	71.2	77.7	83.4	88.3	91.2	93.0	93.8	94.6	96.1	96.7	97.4	97.8	98.3	98.4
GE 200	52.5	65.7	71.2	77.7	83.4	88.3	91.3	93.1	94.0	94.8	96.6	97.1	98.0	98.5	99.2	99.4
GE 100	52.5	65.7	71.2	77.7	83.4	88.3	91.3	93.1	94.0	94.9	96.8	97.4	98.3	98.8	99.6	100.0
GE 0	52.5	65.7	71.2	77.7	83.4	88.3	91.3	93.1	94.0	94.9	96.8	97.4	98.3	98.8	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	32.8	25.7	36.1	36.2	36.7	36.8	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
GE 20000	36.7	40.0	40.4	40.5	41.0	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 18000	36.9	40.4	40.4	41.0	41.4	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 16000	37.0	40.6	41.1	41.2	41.6	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 14000	37.6	41.4	41.8	41.9	42.4	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 12000	39.4	43.1	43.5	43.7	44.1	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 10000	40.8	44.6	45.1	45.2	45.6	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 9000	41.3	45.3	45.7	45.9	46.5	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 8000	42.8	46.8	47.2	47.4	48.1	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 7000	43.4	47.5	48.1	48.3	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 6000	44.1	48.2	48.8	49.0	49.7	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 5000	45.5	50.2	51.1	51.4	52.0	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 4500	46.7	52.2	53.0	53.5	54.3	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 4000	47.5	53.3	54.4	54.9	55.8	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 3500	49.1	55.7	57.2	57.7	58.6	58.7	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 3000	52.0	59.9	61.9	62.6	63.9	64.1	64.2	64.3	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5
GE 2500	55.4	64.9	67.4	68.2	69.8	70.5	70.6	70.8	70.8	70.9	71.3	71.3	71.3	71.3	71.3	71.3
GE 2000	59.5	70.2	73.5	74.8	77.1	78.2	78.5	78.8	78.8	78.9	79.4	79.4	79.4	79.4	79.4	79.4
GE 1800	59.4	71.3	75.3	76.7	79.2	80.3	80.8	81.1	81.1	81.2	81.6	81.6	81.6	81.6	81.6	81.6
GE 1500	59.9	73.3	78.8	80.8	83.7	85.1	86.0	86.8	86.8	87.0	87.4	87.4	87.4	87.4	87.4	87.4
GE 1200	60.0	74.0	79.8	81.9	84.8	86.3	87.6	88.4	88.5	88.9	89.4	89.4	89.4	89.4	89.4	89.4
GE 1000	60.0	74.3	80.3	82.7	85.7	87.4	89.0	89.8	90.0	90.8	91.3	91.3	91.3	91.3	91.3	91.3
GE 900	60.0	74.3	80.3	82.7	85.7	87.4	89.0	89.8	90.0	90.8	91.5	91.5	91.5	91.5	91.5	91.5
GE 800	60.0	74.4	80.4	82.9	86.1	88.1	89.7	90.5	90.8	91.6	92.5	92.5	92.5	92.5	92.5	92.5
GE 700	60.0	74.5	80.8	83.3	86.7	88.8	90.4	91.3	91.5	92.6	93.7	93.7	93.8	93.8	93.8	93.8
GE 600	60.0	74.6	80.9	83.5	87.0	89.2	91.0	92.0	92.4	93.8	94.9	94.9	95.1	95.1	95.1	95.1
GE 500	60.0	74.6	80.9	83.5	87.3	89.6	91.7	92.9	93.3	94.9	96.1	96.1	96.3	96.5	96.5	96.7
GE 400	60.0	74.6	80.9	83.7	87.6	90.3	92.5	93.9	94.3	96.1	97.3	97.3	97.5	97.6	97.6	97.8
GE 300	60.0	74.6	80.9	83.7	87.6	90.5	92.8	94.4	94.8	97.0	98.5	98.5	98.7	98.9	98.9	99.1
GE 200	60.0	74.6	80.9	83.7	87.7	90.6	92.9	94.7	95.2	97.3	98.8	98.8	99.1	99.4	99.5	99.7
GE 100	60.0	74.6	80.9	83.7	87.7	90.6	92.9	94.7	95.2	97.3	98.9	98.9	99.2	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	32.6	34.2	34.5	35.1	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GE 20000	37.2	39.4	39.7	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 18000	37.3	39.5	39.8	40.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 16000	37.4	39.6	39.9	40.4	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 14000	38.0	40.2	40.5	41.1	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 12000	39.1	41.5	41.8	42.4	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 10000	40.8	43.3	43.6	44.3	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 9000	41.7	44.3	44.8	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 8000	43.2	46.1	46.7	47.4	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 7000	44.4	47.7	48.3	49.0	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 6000	44.6	48.5	49.0	49.8	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 5000	46.5	51.3	52.0	53.0	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 4500	48.2	54.1	55.2	56.6	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 4000	49.4	55.8	57.0	58.5	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 3500	51.7	59.2	60.6	62.3	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 3000	55.9	64.9	66.6	68.4	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 2500	59.1	70.5	72.6	75.1	76.3	77.0	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 2000	61.6	74.3	77.5	80.6	82.3	83.2	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 1800	61.7	74.4	77.7	81.0	82.7	83.7	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 1600	62.3	76.0	79.6	82.9	85.6	86.9	87.4	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 1400	62.6	76.8	80.9	84.4	87.3	88.9	89.6	89.9	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 1200	62.6	76.9	81.1	84.7	87.8	89.8	90.9	91.3	91.5	91.9	91.9	91.9	92.0	92.0	92.0	92.0
GE 1000	62.6	76.9	81.2	84.8	88.1	90.0	91.1	91.5	91.7	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 900	62.6	77.1	81.4	85.3	89.1	91.8	92.9	93.3	93.5	94.1	94.2	94.2	94.3	94.3	94.3	94.3
GE 800	62.6	77.1	81.6	85.5	89.6	92.4	93.4	94.1	94.3	95.1	95.2	95.2	95.3	95.3	95.3	95.3
GE 700	62.6	77.1	81.6	85.5	89.7	92.7	93.9	94.5	94.7	95.5	95.6	95.6	95.7	95.7	95.7	95.7
GE 600	62.6	77.1	81.8	85.9	90.3	93.4	94.7	95.6	95.8	96.6	96.6	96.6	96.7	96.7	96.7	96.7
GE 500	62.6	77.1	81.9	86.0	90.5	93.9	95.5	96.6	96.9	97.6	97.6	97.6	97.7	97.7	97.7	97.7
GE 400	62.6	77.1	81.9	86.1	90.6	94.1	95.7	96.8	97.2	98.0	98.6	98.6	98.7	98.7	98.7	98.7
GE 300	62.6	77.1	81.9	86.1	90.8	94.2	95.8	97.2	97.6	98.4	99.0	99.1	99.5	99.7	99.7	99.7
GE 200	62.6	77.1	81.9	86.1	90.8	94.2	95.8	97.2	97.6	98.4	99.0	99.1	99.5	99.7	99.7	99.7
GE 100	62.6	77.1	81.9	86.1	90.8	94.2	95.8	97.2	97.6	98.4	99.0	99.1	99.5	99.7	99.7	99.7
GE 0	62.6	77.1	81.9	86.1	90.8	94.2	95.8	97.2	97.6	98.4	99.0	99.1	99.5	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(1ST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/4	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 3 1/2	GE 4	GE 4 1/2	GE 5	GE 5 1/2	GE 6	GE 6 1/2	GE 7	GE 7 1/2	GE 8
NO CEIL	30.2	33.4	33.7	34.1	34.4	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
GE 20000	36.6	39.8	40.0	40.4	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 18000	36.8	40.0	40.2	40.6	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 16000	36.9	40.2	40.4	40.9	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 14000	37.1	40.6	41.0	41.4	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 12000	38.6	42.5	42.7	43.1	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 10000	40.3	44.3	44.5	44.9	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 9000	40.8	44.7	44.9	45.4	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 8000	42.2	46.5	46.7	47.1	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 7000	44.2	47.7	48.0	48.4	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 6000	43.8	48.9	49.1	49.6	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 5000	46.3	53.0	53.4	53.9	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 4500	49.0	57.1	57.7	58.5	59.4	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 4000	50.9	60.0	60.6	61.5	62.5	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 3500	54.1	63.9	64.7	65.7	66.7	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 3000	56.9	67.6	69.1	70.2	71.5	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 2500	59.9	71.8	73.7	75.2	76.9	77.7	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 2000	62.2	75.8	78.6	80.6	82.9	84.2	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 1800	62.6	76.2	79.1	81.3	83.4	84.7	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1600	64.0	78.1	81.3	83.7	86.2	87.5	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 1400	64.1	78.5	81.8	84.2	86.8	88.1	88.8	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 1000	64.3	79.1	82.6	85.1	88.0	89.5	90.3	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 900	64.3	79.1	82.6	85.2	88.1	89.6	90.5	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 800	64.7	79.8	83.9	86.5	89.4	91.2	92.3	93.5	93.5	94.1	94.2	94.2	94.2	94.2	94.2	94.2
GE 700	64.7	80.1	84.2	86.9	89.8	91.6	92.7	94.0	94.1	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 600	64.7	80.1	84.3	87.1	90.3	92.3	93.5	94.9	95.2	95.8	96.0	96.0	96.0	96.0	96.0	96.0
GE 500	64.7	80.1	84.3	87.2	91.1	93.0	94.3	96.0	96.3	97.0	97.3	97.5	97.5	97.5	97.5	97.5
GE 400	64.7	80.1	84.4	87.5	91.6	93.8	95.1	97.0	97.5	98.2	98.5	98.7	98.7	98.7	98.7	98.7
GE 300	64.7	80.1	84.4	87.6	91.7	94.1	95.6	97.5	98.1	98.7	99.1	99.2	99.2	99.2	99.2	99.2
GE 200	64.7	80.1	84.4	87.6	91.7	94.1	95.6	97.5	98.1	98.7	99.1	99.5	99.5	99.5	99.5	99.5
GE 100	64.7	80.1	84.4	87.6	91.7	94.1	95.6	97.5	98.1	98.7	99.2	99.6	99.6	99.7	99.7	99.9
GE 0	64.7	80.1	84.4	87.6	91.7	94.1	95.6	97.5	98.1	98.7	99.2	99.6	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JAP HOURS (LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	34.1	17.0	37.4	37.5	37.8	36.0	36.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 20000	37.4	40.9	41.3	41.4	41.7	41.8	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 18000	37.4	40.9	41.3	41.4	41.7	41.8	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 16000	37.4	40.9	41.3	41.4	41.7	41.8	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 14000	37.4	41.6	42.0	42.2	42.5	42.6	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
GE 12000	38.0	41.7	42.3	42.4	42.7	42.8	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 10000	39.5	43.3	43.9	44.0	44.3	44.4	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 9000	39.7	43.9	44.5	44.6	44.9	45.1	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 8000	41.3	45.8	46.5	46.6	46.9	47.0	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 7000	43.0	47.7	48.4	48.5	48.8	48.9	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 6000	44.0	48.9	49.6	49.7	50.0	50.1	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 5000	46.9	53.3	54.0	54.1	54.4	54.5	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 4000	50.3	59.4	60.1	60.2	60.5	60.8	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 3000	52.4	62.5	63.2	63.4	63.8	64.1	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 2000	55.3	65.1	65.8	66.3	66.9	67.3	67.8	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 1000	57.6	68.1	68.9	69.9	70.6	71.1	71.6	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 2000	62.4	74.1	74.9	76.1	76.9	77.3	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 2000	64.6	77.3	79.5	81.0	82.2	82.7	83.4	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 1800	65.2	77.8	80.0	81.5	82.7	83.3	84.2	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 1600	65.8	79.0	81.3	83.0	84.5	85.4	86.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 1400	65.8	79.4	81.7	83.8	85.6	86.7	87.7	88.6	88.7	88.9	88.9	88.9	88.9	88.9	88.9
GE 1200	66.6	80.3	82.8	84.8	86.7	87.8	88.9	90.1	90.2	90.4	90.4	90.4	90.4	90.4	90.4
GE 1000	66.6	81.3	82.8	84.8	86.7	87.8	88.9	90.1	90.2	90.4	90.4	90.4	90.4	90.4	90.4
GE 800	66.9	80.9	83.4	86.2	88.1	89.2	90.4	91.7	91.9	92.3	92.5	92.5	92.5	92.5	92.5
GE 700	67.1	81.2	84.1	86.6	88.4	89.6	90.8	92.0	92.3	92.6	92.9	92.9	92.9	92.9	92.9
GE 600	67.1	81.3	84.4	87.0	89.0	90.2	91.6	93.2	93.4	93.8	94.1	94.1	94.1	94.1	94.1
GE 500	67.1	81.4	84.5	87.2	89.5	90.6	92.4	94.1	94.3	94.6	94.9	94.9	94.9	94.9	94.9
GE 400	67.1	81.4	84.6	87.3	89.9	91.2	93.1	95.5	95.7	96.0	96.5	96.5	96.5	96.5	96.5
GE 300	67.1	81.4	84.6	87.5	90.3	92.4	94.6	97.2	97.4	97.7	98.2	98.2	98.2	98.2	98.2
GE 200	67.1	81.4	84.6	87.6	90.4	92.6	94.8	97.4	97.6	98.0	98.5	98.5	98.5	98.5	98.5
GE 100	67.1	81.4	84.6	87.6	90.4	92.6	94.8	97.4	97.7	98.1	98.7	98.8	98.9	99.2	99.7
GE 0	67.1	81.4	84.6	87.6	90.4	92.6	94.8	97.4	97.7	98.1	98.7	98.8	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 630

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(EST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
NO CEIL	22.7	35.6	36.2	36.7	37.1	37.3	37.5	37.7	37.7	37.7	37.7	37.7	37.8	37.8	37.8	37.8
GE 20000	36.0	39.3	39.9	40.5	41.0	41.2	41.3	41.5	41.5	41.5	41.6	41.6	41.6	41.7	41.7	41.7
GE 18000	36.1	39.4	40.1	40.6	41.1	41.3	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.8	41.8	41.8
GE 16000	36.1	39.5	40.1	40.7	41.2	41.4	41.6	41.8	41.8	41.8	41.8	41.9	41.9	41.9	41.9	41.9
GE 14000	36.4	40.0	40.6	41.1	41.7	41.9	42.0	42.2	42.2	42.3	42.3	42.3	42.3	42.4	42.4	42.4
GE 12000	37.6	41.3	42.0	42.5	43.0	43.2	43.4	43.6	43.6	43.6	43.7	43.7	43.7	43.8	43.8	43.8
GE 10000	39.8	42.7	43.3	43.9	44.4	44.7	44.8	45.1	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2
GE 9000	39.2	43.2	43.5	44.5	45.0	45.3	45.4	45.7	45.7	45.7	45.7	45.8	45.8	45.8	45.8	45.8
GE 8000	40.8	45.0	45.7	46.3	46.9	47.1	47.3	47.5	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7
GE 7000	41.7	46.1	46.9	47.5	48.1	48.3	48.5	48.7	48.7	48.7	48.7	48.8	48.8	48.9	48.9	48.9
GE 6000	42.5	47.3	48.1	48.7	49.4	49.6	49.8	50.0	50.0	50.0	50.0	50.1	50.1	50.2	50.2	50.2
GE 5000	44.6	50.4	51.4	52.1	52.8	53.1	53.3	53.5	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7
GE 4000	46.8	53.9	55.0	56.0	57.0	57.3	57.6	57.8	57.8	57.8	57.8	57.9	57.9	58.0	58.0	58.0
GE 3000	48.3	55.9	57.2	58.3	59.3	59.7	60.0	60.3	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.5
GE 2000	50.2	58.4	60.0	61.3	62.5	63.0	63.4	63.7	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9
GE 1000	52.6	62.1	63.9	65.5	67.0	67.6	68.0	68.3	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6
GE 2500	55.6	66.3	68.6	70.4	72.2	73.0	73.5	73.9	74.0	74.1	74.2	74.2	74.3	74.3	74.3	74.3
GE 2000	56.2	70.5	73.6	76.1	78.2	79.5	80.2	80.6	80.9	81.0	81.2	81.2	81.3	81.3	81.3	81.3
GE 1800	58.8	71.2	74.4	77.0	79.3	80.6	81.4	82.0	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5
GE 1600	59.7	73.1	76.7	79.9	82.7	84.4	85.3	86.1	86.3	86.5	86.7	86.7	86.8	86.8	86.8	86.8
GE 1200	59.8	73.7	77.6	80.8	83.9	85.7	86.8	87.7	87.9	88.2	88.4	88.4	88.5	88.5	88.5	88.6
GE 1000	60.0	74.1	78.3	81.7	84.9	86.9	88.2	89.2	89.5	90.0	90.2	90.2	90.3	90.4	90.4	90.4
GE 900	60.0	74.2	78.4	81.9	85.1	87.1	88.4	89.5	89.9	90.3	90.6	90.6	90.7	90.8	90.8	90.8
GE 800	60.1	74.5	78.9	82.7	86.1	88.3	89.7	90.8	91.2	91.7	92.1	92.1	92.2	92.2	92.2	92.2
GE 700	60.2	74.7	79.2	83.0	86.6	88.9	90.4	91.7	92.0	92.7	93.1	93.1	93.3	93.3	93.3	93.3
GE 600	60.2	74.8	79.4	83.3	86.9	89.4	91.1	92.4	92.8	93.6	94.1	94.2	94.3	94.4	94.4	94.4
GE 500	60.2	74.9	79.5	83.6	87.5	90.1	92.0	93.5	93.9	94.8	95.4	95.5	95.7	95.8	95.8	95.9
GE 400	60.2	74.9	79.6	83.8	87.9	90.6	92.7	94.4	95.0	95.9	96.6	96.8	97.0	97.1	97.2	97.2
GE 300	60.2	74.9	79.6	83.9	88.0	91.0	93.2	95.0	95.7	96.7	97.6	97.8	98.0	98.2	98.3	98.4
GE 200	60.2	74.9	79.6	83.9	88.0	91.0	93.3	95.2	96.0	97.0	98.1	98.2	98.5	98.7	98.9	99.0
GE 100	60.2	74.9	79.6	83.9	88.0	91.0	93.3	95.2	96.0	97.1	98.2	98.4	98.8	99.1	99.5	99.8
GE 0	60.2	74.9	79.6	83.9	88.0	91.0	93.3	95.2	96.0	97.1	98.2	98.4	98.8	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2
NO CEIL	42.1	44.8	45.8	45.9	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 20000	42.8	46.4	47.4	47.6	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 18000	43.8	46.4	47.4	47.6	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 16000	43.8	46.4	47.4	47.6	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 14000	43.8	46.7	47.7	47.8	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 12000	45.0	47.6	48.9	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 10000	46.9	49.8	50.8	50.9	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 9000	47.6	50.6	51.6	51.7	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 8000	50.1	53.1	54.1	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 7000	51.3	54.6	55.7	55.8	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 6000	52.4	55.9	57.1	57.2	57.4	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 5000	57.1	61.4	62.8	63.0	63.3	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 4000	60.2	65.9	67.2	67.7	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 3000	62.4	68.2	70.0	70.6	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 2000	65.2	72.0	73.9	74.6	75.4	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 1000	69.7	75.7	78.0	79.1	79.8	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 500	70.7	78.9	81.4	82.7	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 400	71.9	80.8	83.9	85.4	86.4	86.4	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 300	72.7	81.2	84.4	86.0	87.1	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 200	73.1	82.4	85.9	87.7	89.4	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 100	73.8	83.6	87.0	89.0	90.3	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 50	74.2	84.0	87.7	89.8	91.3	92.0	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 40	74.2	84.0	87.9	90.0	91.6	92.2	92.8	92.9	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 30	74.3	84.1	88.1	90.6	92.1	92.9	93.4	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 20	74.3	84.3	88.4	91.4	93.1	94.0	94.8	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 10	74.3	84.6	88.7	91.9	93.6	94.4	95.3	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 5	74.3	84.8	89.0	92.2	94.0	94.9	95.9	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 4	74.3	84.8	89.0	92.4	94.2	95.1	96.9	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 3	74.3	84.8	89.0	92.4	94.2	95.4	97.3	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2	74.3	84.8	89.0	92.4	94.3	95.7	97.6	98.4	98.8	99.1	99.2	99.4	99.6	99.6	99.6	99.6
GE 1	74.3	84.8	89.0	92.4	94.3	95.7	97.6	98.4	98.8	99.1	99.3	99.6	99.7	99.7	99.7	99.7
GE 0	74.3	84.8	89.0	92.4	94.3	95.7	97.6	98.4	98.8	99.1	99.3	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	37.7	41.6	42.3	42.7	42.9	42.9	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.3	43.3	43.3
GE 20000	39.8	43.7	44.4	44.8	45.0	45.0	45.2	45.2	45.4	45.6	45.6	45.6	45.6	45.7	45.7	45.7
GE 18000	40.0	43.9	44.7	45.0	45.2	45.2	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.7	45.7	45.7
GE 16000	40.0	43.9	44.7	45.0	45.2	45.2	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.7	45.7	45.7
GE 14000	40.3	44.2	45.0	45.3	45.6	45.6	45.8	45.9	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.0
GE 12000	41.2	45.1	46.0	46.3	46.6	46.6	46.8	46.9	46.9	46.9	46.9	46.9	46.9	47.0	47.0	47.0
GE 10000	42.8	46.8	47.7	48.0	48.2	48.2	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.7	48.7	48.7
GE 9000	44.4	48.4	49.3	49.7	49.9	49.9	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.3	50.3	50.3
GE 8000	45.6	49.8	50.8	51.1	51.3	51.3	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.8	51.8
GE 7000	46.8	51.0	52.1	52.4	52.7	52.7	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1
GE 6000	49.0	53.3	54.4	54.8	55.0	55.0	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.4
GE 5000	57.6	58.3	59.6	60.1	60.3	60.3	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.8
GE 4500	58.1	58.9	60.2	60.5	60.7	60.7	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2
GE 4000	58.1	58.9	60.2	60.5	60.7	60.7	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2
GE 3500	61.8	68.4	69.9	71.0	71.8	71.9	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3
GE 3000	64.1	71.7	73.1	74.3	75.2	75.3	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8
GE 2500	67.2	75.8	77.4	78.7	79.8	79.9	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4
GE 2000	69.1	78.8	80.8	82.1	83.4	83.8	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4
GE 1800	69.2	79.3	81.3	82.8	84.4	84.8	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.6	85.6	85.6
GE 1500	71.2	81.9	84.0	85.6	87.2	87.6	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3
GE 1200	71.8	83.0	85.1	86.7	88.4	88.9	89.8	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0
GE 1000	72.0	83.3	85.6	87.1	89.0	89.6	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2
GE 900	72.0	83.6	85.8	87.3	89.3	89.9	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.7	91.7	91.7
GE 800	72.0	84.1	86.3	87.9	89.9	90.4	91.7	92.2	92.2	92.2	92.3	92.3	92.3	92.4	92.4	92.4
GE 700	72.2	84.7	86.9	88.7	90.7	91.4	92.9	93.6	93.6	93.6	93.7	93.7	93.7	93.8	93.8	93.8
GE 600	72.3	84.8	87.0	88.8	90.8	91.6	93.0	93.9	93.9	93.9	94.0	94.0	94.0	94.1	94.2	94.2
GE 500	72.4	85.0	87.2	89.7	91.8	92.6	94.1	95.1	95.1	95.1	95.2	95.2	95.3	95.6	95.6	95.7
GE 400	72.7	85.2	87.4	90.0	92.3	93.6	95.1	96.1	96.1	96.1	96.2	96.2	96.3	96.6	96.6	96.7
GE 300	72.7	85.2	87.4	90.1	92.4	94.0	95.8	97.1	97.1	97.1	97.2	97.3	97.4	97.8	97.9	98.0
GE 200	72.7	85.2	87.4	90.1	92.4	94.1	96.1	97.6	97.6	97.6	97.9	98.1	98.2	98.6	98.7	98.9
GE 100	72.7	85.2	87.4	90.1	92.4	94.1	96.1	97.6	97.6	97.7	98.0	98.4	98.6	99.0	99.2	99.4
GE 01	72.7	85.2	87.4	90.1	92.4	94.1	96.1	97.6	97.6	97.7	98.0	98.4	98.6	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS (LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	34.3	37.6	38.2	39.0	39.4	39.6	39.9	39.9	39.9	39.9	40.0	40.0	40.0	40.3	40.3	40.4
GE 20000	36.7	40.9	41.7	42.4	42.9	43.2	43.3	43.3	43.3	43.3	43.4	43.4	43.6	43.9	44.0	44.1
GE 18000	36.9	41.1	41.9	42.7	43.2	43.6	43.7	43.7	43.7	43.7	43.8	43.8	43.9	44.2	44.3	44.4
GE 16000	36.9	41.2	42.0	42.6	43.3	43.7	43.8	43.8	43.8	43.8	43.9	43.9	44.0	44.3	44.4	44.6
GE 14000	37.1	41.6	42.3	43.1	43.7	44.0	44.1	44.1	44.1	44.1	44.2	44.2	44.3	44.7	44.8	44.9
GE 12000	37.9	42.7	43.7	44.4	45.0	45.3	45.4	45.4	45.4	45.4	45.6	45.6	45.7	46.0	46.1	46.2
GE 10000	39.9	45.0	46.1	46.9	47.6	48.0	48.1	48.1	48.1	48.1	48.2	48.2	48.3	48.7	48.8	48.9
GE 9000	40.8	46.0	47.2	48.0	48.7	49.1	49.2	49.2	49.2	49.2	49.3	49.3	49.4	49.8	49.9	50.0
GE 8000	41.8	47.2	48.4	49.3	50.0	50.4	50.6	50.6	50.6	50.6	50.7	50.7	50.8	51.1	51.2	51.3
GE 7000	42.6	48.2	49.6	50.4	51.1	51.6	51.7	51.7	51.7	51.7	51.8	51.8	51.9	52.2	52.3	52.4
GE 6000	44.0	50.0	51.6	52.4	53.1	53.6	53.7	53.7	53.7	53.7	53.8	53.8	53.9	54.2	54.3	54.4
GE 5000	47.4	54.1	55.9	56.9	57.6	58.2	58.3	58.3	58.3	58.3	58.4	58.4	58.6	58.9	59.0	59.1
GE 4500	51.9	58.8	60.8	62.1	63.0	63.7	63.8	63.8	63.8	63.8	63.9	63.9	64.0	64.3	64.4	64.6
GE 4000	53.1	60.6	62.6	64.0	64.9	65.6	65.7	65.7	65.7	65.7	65.8	65.8	65.9	66.2	66.3	66.4
GE 3500	54.6	63.0	65.1	66.8	67.7	68.4	68.6	68.6	68.6	68.6	68.7	68.7	68.8	69.1	69.2	69.3
GE 3000	56.7	66.2	68.7	70.6	71.6	72.3	72.4	72.7	72.7	72.7	72.8	72.8	72.9	73.2	73.3	73.4
GE 2500	59.2	69.7	72.4	75.1	76.2	77.1	77.3	77.6	77.7	77.7	77.8	77.8	77.9	78.2	78.3	78.4
GE 2000	60.4	71.3	74.4	77.7	79.3	80.9	81.2	81.6	81.9	82.0	82.2	82.2	82.3	82.7	82.8	82.9
GE 1800	60.6	71.6	74.8	78.2	80.1	81.7	82.0	82.3	82.7	82.8	83.0	83.0	83.1	83.4	83.6	83.7
GE 1600	62.0	74.0	77.4	81.4	83.3	85.2	85.9	86.4	86.8	87.0	87.3	87.3	87.4	87.8	87.9	88.0
GE 1400	62.4	74.8	78.3	82.3	84.2	86.3	87.0	87.6	87.9	88.1	88.4	88.4	88.6	88.9	89.0	89.1
GE 1200	62.7	75.1	79.0	83.0	85.2	87.4	88.4	89.0	89.4	89.8	90.1	90.1	90.2	90.6	90.7	90.8
GE 1000	62.9	75.3	79.2	83.2	85.4	87.7	88.7	89.2	89.7	90.0	90.3	90.4	90.6	90.9	91.0	91.1
GE 900	63.0	75.7	79.6	83.7	86.0	88.2	89.2	89.8	90.2	90.6	90.9	91.0	91.1	91.4	91.6	91.7
GE 800	63.0	75.8	80.0	84.4	87.1	89.3	90.4	91.0	91.4	91.9	92.2	92.3	92.4	92.8	92.9	93.0
GE 600	63.0	75.9	80.4	84.9	87.8	90.2	91.4	92.1	92.6	93.1	93.6	93.7	93.9	94.2	94.3	94.4
GE 500	63.0	76.0	80.6	85.4	88.3	90.9	92.2	92.9	93.3	94.0	94.7	94.8	95.0	95.6	95.7	95.8
GE 400	63.0	76.1	80.7	85.6	88.4	91.3	93.0	93.8	94.2	95.0	95.7	96.0	96.2	96.8	97.0	97.1
GE 300	63.0	76.1	80.9	85.9	88.8	92.0	93.8	94.9	95.3	96.3	97.0	97.3	97.6	98.1	98.3	98.4
GE 200	63.0	76.1	80.9	85.9	88.8	92.0	93.8	94.9	95.3	96.3	97.0	97.3	97.6	98.1	98.3	98.4
GE 100	63.0	76.1	80.9	85.9	88.8	92.0	93.8	94.9	95.3	96.4	97.3	97.6	98.0	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/4	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 3 1/2	GE 4	GE 4 1/2	GE 5	GE 5 1/2	GE 6	GE 6 1/2	GE 7	GE 7 1/2	GE 8
NO CEIL	37.7	41.6	42.3	42.7	42.9	42.9	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.3	43.3	43.3
GE 20000	39.8	43.7	44.4	44.8	45.0	45.0	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.4	45.4	45.4
GE 18000	40.0	43.9	44.7	45.0	45.2	45.2	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.7	45.7	45.7
GE 16000	40.0	43.9	44.7	45.0	45.2	45.2	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.7	45.7	45.7
GE 14000	40.3	44.2	45.0	45.3	45.6	45.6	45.8	45.9	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.0
GE 12000	41.2	45.1	46.0	46.3	46.6	46.6	46.8	46.9	46.9	46.9	46.9	46.9	46.9	47.0	47.0	47.0
GE 10000	42.8	46.8	47.7	48.0	48.2	48.2	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.7	48.7	48.7
GE 9000	44.4	48.4	49.3	49.7	49.9	49.9	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.3	50.3	50.3
GE 8000	45.6	49.8	50.6	51.1	51.3	51.3	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.8	51.8
GE 7000	46.8	51.0	52.1	52.4	52.7	52.7	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1
GE 6000	49.1	53.7	54.4	54.8	55.0	55.0	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.4
GE 5000	53.6	58.3	59.6	60.1	60.3	60.3	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.8
GE 4500	55.1	63.9	65.2	65.9	66.1	66.1	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.6	66.6	66.6
GE 4000	57.4	65.3	66.8	67.6	68.0	68.0	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4
GE 3500	61.8	68.4	69.9	71.0	71.8	71.9	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3
GE 3000	64.1	71.7	73.1	74.3	75.2	75.3	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8
GE 2500	67.7	75.8	77.4	78.7	79.8	79.9	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4
GE 2000	69.1	78.8	80.6	82.1	83.4	83.6	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4
GE 1800	69.0	79.3	81.3	82.8	84.4	84.8	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.6	85.6	85.6
GE 1500	71.2	81.9	84.0	85.6	87.2	87.6	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3
GE 1200	71.8	83.0	85.1	86.7	88.4	88.9	89.8	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0
GE 1000	72.0	83.3	85.6	87.1	89.0	89.6	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2
GE 900	72.0	83.6	85.8	87.3	89.3	89.9	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.7	91.7	91.7
GE 800	72.0	84.1	86.3	87.9	89.9	90.4	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.4	92.4	92.4
GE 700	72.3	84.7	86.9	88.7	90.7	91.4	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.8	93.8	93.8
GE 600	72.3	84.6	87.0	88.8	90.6	91.6	93.0	93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0
GE 500	72.4	85.0	87.2	89.7	91.8	92.6	94.1	95.1	95.1	95.1	95.1	95.1	95.1	95.3	95.3	95.3
GE 400	72.7	85.2	87.4	90.0	92.3	93.6	95.1	96.1	96.1	96.1	96.1	96.1	96.1	96.3	96.3	96.3
GE 300	72.7	85.2	87.4	90.1	92.4	94.0	95.8	97.1	97.1	97.1	97.1	97.1	97.1	97.4	97.4	97.4
GE 200	72.7	85.2	87.4	90.1	92.4	94.1	96.1	97.6	97.6	97.6	97.6	97.6	97.6	98.1	98.1	98.1
GE 100	72.7	85.2	87.4	90.1	92.4	94.1	96.1	97.6	97.6	97.6	97.6	97.6	97.6	98.0	98.0	98.0
GE 0	72.7	85.2	87.4	90.1	92.4	94.1	96.1	97.6	97.6	97.6	97.6	97.6	97.6	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS: 200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705287 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS (LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 5	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	36.7	38.7	39.0	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 20000	39.7	42.2	42.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
GE 18000	40.0	42.7	43.0	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 16000	40.3	43.0	43.3	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 14000	41.0	43.9	44.2	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 12000	41.9	45.1	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 10000	42.6	47.1	47.6	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 9000	44.4	49.3	49.8	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 8000	46.2	50.1	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 7000	47.6	51.4	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 6000	48.4	53.0	53.7	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 5000	51.2	56.6	57.7	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 4500	54.1	60.2	61.4	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 4000	59.4	61.6	62.0	64.5	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 3500	57.2	63.7	65.0	66.7	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 3000	60.3	67.7	69.3	71.2	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 2500	64.4	71.7	73.4	75.4	76.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 2000	66.7	75.6	79.0	80.7	82.2	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 1800	67.2	76.7	78.9	81.6	83.2	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 1600	69.9	79.8	82.2	85.3	87.2	88.2	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 1400	69.7	80.6	83.6	86.9	89.0	90.1	90.4	90.8	90.8	90.8	90.8	91.1	91.1	91.1	91.1	91.1
GE 1200	69.7	80.9	84.1	87.7	90.0	91.1	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 1000	69.7	81.0	84.2	87.8	90.2	91.3	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 900	69.9	81.1	84.3	88.0	90.6	91.8	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 800	70.1	81.7	85.1	88.8	91.4	92.8	93.4	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 700	70.1	81.8	85.4	89.2	91.9	93.3	94.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 600	70.2	82.0	85.5	89.6	92.7	94.4	95.3	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 500	70.2	82.0	85.8	90.0	93.0	94.9	96.0	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 400	70.2	82.1	85.9	90.1	93.1	95.1	96.6	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 300	70.2	82.1	85.9	90.1	93.1	95.1	96.6	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 200	70.2	82.1	85.9	90.1	93.1	95.1	96.6	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 100	70.2	82.1	85.9	90.1	93.1	95.1	96.6	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 0	70.2	82.1	85.9	90.1	93.1	95.1	96.6	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS: 500

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 74-87

MONTH: APR

HOURLS(EST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/4	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 3 1/2	GE 4	GE 4 1/2	GE 5	GE 5 1/2	GE 6	GE 6 1/2	GE 7	GE 7 1/2	GE 8
NO CEIL	37.9	40.2	40.3	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 2000	43.6	46.1	46.2	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 1800	43.6	46.1	46.2	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 1600	43.6	46.1	46.2	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 1400	43.6	46.1	46.2	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 1200	43.6	46.1	46.2	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 1000	49.3	51.2	51.3	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 900	49.0	51.9	52.0	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 800	50.7	54.2	54.4	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 700	51.9	55.3	55.6	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 600	53.3	56.8	57.0	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 500	55.2	59.6	59.9	60.3	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 400	56.8	61.6	61.9	62.3	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 300	59.6	63.8	64.2	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 200	61.6	66.9	67.3	68.0	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 100	64.6	70.6	71.2	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 2000	69.2	76.4	77.3	78.2	78.6	78.7	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 1800	72.0	82.7	83.8	84.7	85.3	85.6	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 1600	73.9	84.0	85.1	86.1	86.8	87.0	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 1400	75.2	86.4	87.6	89.0	89.9	90.2	90.6	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1200	75.7	86.9	88.3	89.6	90.6	91.0	91.3	91.3	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.8
GE 1000	76.3	88.0	89.9	91.1	92.1	92.7	93.0	93.0	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4
GE 900	76.4	88.2	90.1	91.3	92.4	93.0	93.3	93.3	93.4	93.7	93.8	93.8	93.8	93.8	93.8	93.8
GE 800	76.8	88.4	90.3	91.8	93.0	93.7	94.0	94.0	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4
GE 700	76.8	88.9	90.8	92.6	93.9	94.6	94.9	94.9	95.0	95.4	95.7	95.7	95.7	95.7	95.7	95.7
GE 600	76.9	89.2	91.1	93.0	94.3	95.2	95.7	95.7	95.7	96.0	96.4	96.4	96.4	96.4	96.4	96.4
GE 500	76.9	89.2	91.3	93.3	95.1	96.0	96.8	96.9	97.2	97.7	97.9	97.9	97.9	97.9	97.9	97.9
GE 400	76.9	89.3	91.4	93.6	95.4	96.9	97.9	98.0	98.3	98.6	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	76.9	89.3	91.4	93.7	95.6	97.2	98.2	98.3	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	76.9	89.3	91.4	93.7	95.6	97.2	98.2	98.3	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	76.9	89.3	91.4	93.7	95.6	97.2	98.2	98.3	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF C/FILING V/FHUS VISIBILITY  
FROM FOURLY OBSERVATIONS

FILE NO OF RECORD: 76-87  
MONTH: APR      BUREAU FILE: 150-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE	GF	GE	GE	GE	GF	GE	GF	GE	GE	GF	GE	GF	GE	GF	GE		
	1	10	6	5	4	3	2	1 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	7/16	1/4	1/8
NO CEIL	39.4	41.1	41.4	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 20000	46.3	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GF 10000	45.0	46.6	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GF 16000	45.1	46.7	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GF 14000	46.7	47.7	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GF 12000	48.3	50.4	50.4	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 10000	47.4	51.3	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GF 9000	51.4	53.4	53.9	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 9000	57.4	56.2	56.9	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GF 7000	54.4	57.4	58.4	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 6000	56.2	58.7	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GF 5000	54.4	61.9	62.4	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 4000	61.1	60.7	61.2	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GF 4000	62.4	66.4	67.6	68.6	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GF 3000	66.0	70.6	71.7	72.8	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GF 2000	64.1	73.6	75.0	76.2	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GF 2000	70.4	79.4	81.2	82.6	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GF 2000	76.2	83.6	85.4	87.3	88.1	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GF 1800	76.7	84.4	86.9	88.4	89.3	89.9	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GF 1600	77.3	86.1	88.6	90.2	91.2	91.8	92.0	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GF 1400	77.3	86.7	89.2	91.0	92.2	93.0	93.0	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GF 1200	77.6	87.2	89.7	91.4	92.7	93.7	94.2	94.9	95.4	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GF 1000	77.9	88.1	91.0	93.9	95.7	96.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GF 1000	77.7	87.4	90.6	92.6	94.0	95.7	95.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GF 800	77.4	87.6	90.7	92.7	94.2	95.9	95.9	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GF 700	77.9	88.1	91.4	93.7	95.3	96.2	96.9	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GF 600	77.9	88.1	91.0	93.9	95.7	96.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GF 500	77.9	88.1	91.6	94.4	95.4	97.2	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GF 400	77.9	88.1	91.7	94.1	95.4	97.6	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GF 300	77.9	88.1	91.7	94.1	96.0	97.7	98.6	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GF 200	77.9	88.1	91.7	94.1	96.0	97.7	98.6	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GF 100	77.9	88.1	91.7	94.1	96.0	97.7	98.6	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GF 0	77.9	88.1	91.7	94.1	96.0	97.7	98.6	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 9.0

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 75267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	1 1/2	2	2 1/2	3	3 1/2	4	5	6	7	8	9	10	11	12	13
NO CEILING	34.8	40.7	41.4	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
GE 20000	42.0	45.3	45.1	45.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 18000	42.0	45.1	45.9	46.1	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 16000	42.0	45.4	46.2	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 14000	42.0	46.7	47.4	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 12000	46.8	49.6	50.6	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 10000	49.3	51.7	52.4	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 9000	44.7	52.7	53.0	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 8000	52.1	55.4	56.7	57.1	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 7000	51.4	57.4	58.3	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 6000	59.7	58.3	59.2	59.7	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 5000	57.4	62.4	63.7	64.3	64.4	65.1	65.1	65.4	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6
GE 4000	61.7	67.4	68.4	69.1	69.6	69.9	69.9	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3
GE 3000	67.9	75.7	76.7	76.7	77.1	77.6	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 2000	66.4	73.6	74.8	75.6	76.0	76.4	76.6	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0
GE 1000	69.7	74.3	77.6	78.4	81.1	81.6	81.7	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2
GE 500	72.7	78.0	83.7	84.0	85.7	86.1	86.6	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3
GE 400	74.0	79.7	86.3	87.4	88.4	89.3	89.8	90.3	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6
GE 300	78.8	85.8	87.7	89.3	90.7	90.9	91.3	91.9	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1
GE 200	77.7	86.8	89.4	90.4	91.4	92.1	92.7	93.2	93.3	93.7	93.7	93.7	93.8	93.8	93.8	93.8
GE 100	75.1	87.3	87.0	90.9	92.0	92.7	93.3	93.9	94.0	94.3	94.3	94.3	94.4	94.4	94.4	94.4
GE 50	75.4	89.4	89.4	91.6	92.9	93.7	94.3	94.9	95.0	95.2	95.3	95.3	95.4	95.4	95.4	95.4
GE 40	75.6	97.7	97.7	92.0	93.1	93.9	94.6	95.1	95.2	95.6	95.6	95.6	95.7	95.7	95.7	95.7
GE 30	75.6	97.9	97.7	92.3	93.4	94.4	94.9	95.1	95.7	95.8	96.1	96.1	96.2	96.2	96.2	96.2
GE 20	75.6	98.1	97.7	92.6	94.0	95.0	95.9	96.6	96.7	97.0	97.1	97.1	97.2	97.2	97.2	97.2
GE 10	75.6	98.1	97.7	92.6	94.0	95.0	95.9	96.6	96.7	97.0	97.1	97.1	97.2	97.2	97.2	97.2
GE 5	75.6	98.1	97.7	92.6	94.0	95.0	95.9	96.6	96.7	97.0	97.1	97.1	97.2	97.2	97.2	97.2
GE 4	75.6	98.1	97.7	92.6	94.0	95.0	95.9	96.6	96.7	97.0	97.1	97.1	97.2	97.2	97.2	97.2
GE 3	75.6	98.1	97.7	92.6	94.0	95.0	95.9	96.6	96.7	97.0	97.1	97.1	97.2	97.2	97.2	97.2
GE 2	75.6	98.1	97.7	92.6	94.0	95.0	95.9	96.6	96.7	97.0	97.1	97.1	97.2	97.2	97.2	97.2
GE 1	75.6	98.1	97.7	92.6	94.0	95.0	95.9	96.6	96.7	97.0	97.1	97.1	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 3 1/2	GE 4	GE 4 1/2	GE 5	GE 5 1/2	GE 6	GE 6 1/2	GE 7	GE 7 1/2	GE 8	GE 8 1/2
NO CEIL	42.6	44.4	45.3	45.4	45.6	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 20000	44.7	46.7	47.7	47.8	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 18000	45.0	47.0	48.0	48.1	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 16000	45.1	47.1	48.1	48.2	48.3	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 14000	45.3	47.3	48.3	48.4	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 12000	46.2	48.3	49.3	49.4	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 10000	48.9	51.6	52.6	52.7	52.8	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 9000	49.3	52.0	53.0	53.1	53.2	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 8000	51.7	54.9	55.9	56.0	56.1	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 7000	52.3	56.4	57.5	58.0	58.1	58.1	58.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 6000	54.0	57.9	58.9	59.0	59.1	59.1	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 5000	58.2	63.2	64.4	64.7	64.9	64.9	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 4000	61.8	68.2	69.7	70.1	70.4	70.4	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 3000	64.1	70.9	72.7	73.2	73.6	73.6	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 2000	66.9	74.7	76.4	77.0	77.3	77.3	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 1000	69.8	77.8	79.6	80.1	80.4	80.4	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 2500	71.8	81.4	83.9	84.7	85.1	85.3	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 2000	72.6	83.9	86.0	86.9	87.4	87.6	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 1800	74.2	86.4	88.9	89.8	89.3	89.6	89.9	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 1600	75.0	86.6	88.9	90.0	90.6	91.1	91.2	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1400	75.3	87.2	89.6	90.8	91.3	91.9	92.1	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1200	75.6	87.8	90.6	92.2	92.9	93.6	93.8	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4
GE 1000	76.7	87.9	91.0	92.7	93.4	94.1	94.4	94.5	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1
GE 800	75.8	88.0	91.1	92.9	93.8	94.6	94.9	95.3	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6
GE 700	75.9	88.2	91.3	93.2	94.1	94.9	95.3	95.6	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0
GE 600	75.9	88.4	91.7	93.0	94.6	95.6	96.0	96.4	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8
GE 500	75.9	88.4	91.8	93.8	94.8	96.1	96.6	97.0	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3
GE 400	75.9	88.4	91.9	93.7	94.9	96.3	97.2	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0
GE 300	75.9	88.4	92.0	94.1	95.2	96.9	97.8	98.2	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7
GE 200	75.9	88.4	92.0	94.1	95.3	97.0	98.0	98.4	98.7	98.7	98.7	99.0	99.2	99.2	99.2	99.2
GE 100	75.9	88.4	92.0	94.1	95.3	97.0	98.0	98.4	98.7	98.7	98.7	99.0	99.2	99.2	99.2	99.2
GE 0	75.9	88.4	92.0	94.1	95.3	97.0	98.0	98.4	98.7	98.7	98.7	99.0	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: APR HOUR(S): 1515

ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 1/2	GE 1/4	GE 1/8	GE 1/16	GE 1/32	GE 1/64	GE 1/128	GE 1/256	GE 1/512
NO CEIL	36.7	41.1	41.7	42.1	42.3	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.5	
GE 20000	41.8	44.5	45.2	45.6	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 18000	47.1	44.9	45.5	45.9	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.3	46.3
GE 16000	42.2	45.0	45.7	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.4	46.4
GE 14000	42.8	45.6	46.3	46.7	46.8	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.1	47.1
GE 12000	44.2	47.2	47.9	48.3	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.7	48.8
GE 10000	46.1	49.4	50.1	50.5	50.7	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0
GE 9000	47.0	50.4	51.1	51.5	51.7	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.0
GE 8000	49.0	52.7	53.5	53.9	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4
GE 7000	50.3	54.1	54.9	55.4	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	56.0	56.0
GE 6000	51.5	55.5	56.4	56.8	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.5	57.5
GE 5000	54.9	59.6	60.8	61.4	61.6	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.1
GE 4000	59.2	63.8	65.0	65.8	66.1	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.6	66.6
GE 3000	60.0	66.0	67.3	68.2	68.6	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.2	69.2
GE 2000	62.5	69.1	70.5	71.6	72.1	72.3	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.7	72.7
GE 1000	65.1	72.7	74.3	75.5	76.1	76.3	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.8	76.8
GE 2500	68.2	77.0	78.8	80.3	81.1	81.4	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.0	82.0
GE 2000	70.6	80.2	82.4	84.1	85.1	85.7	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.4	86.4
GE 1800	71.1	81.0	83.3	85.0	86.2	86.8	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5
GE 1600	72.2	83.0	85.4	87.5	88.7	89.4	89.8	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.4	90.4
GE 1400	72.6	83.7	86.3	88.4	89.8	90.6	91.0	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.7	91.7
GE 1200	72.9	84.2	87.1	89.4	90.9	91.6	92.4	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.2	93.2
GE 1000	73.0	84.4	87.3	89.6	91.2	92.1	92.7	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.6	93.6
GE 800	73.1	84.6	87.6	90.0	91.6	92.6	93.3	93.6	93.8	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2
GE 700	73.2	85.0	88.1	90.7	92.5	93.5	94.3	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.4	95.4
GE 600	73.3	85.1	88.3	91.0	92.8	94.1	94.9	95.5	95.7	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.3	96.3
GE 500	73.3	85.2	88.5	91.4	93.4	94.8	95.7	96.4	96.6	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.4	97.4
GE 400	73.3	85.3	88.6	91.6	93.6	95.2	96.5	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.3	98.3
GE 300	73.3	85.3	88.6	91.7	93.8	95.6	97.0	97.7	97.9	98.3	98.6	98.6	98.6	98.6	98.6	98.6	99.0	99.0
GE 200	73.3	85.3	88.6	91.7	93.8	95.6	97.1	97.8	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.4	99.4
GE 100	73.3	85.3	88.6	91.7	93.8	95.6	97.1	97.8	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.5	99.5
GE	73.3	85.3	88.6	91.7	93.8	95.6	97.1	97.8	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 1730

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	1/2	3/4	1	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	12
NO CEIL	48.1	52.7	53.2	53.7	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 20000	49.9	54.7	55.2	55.7	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 18000	50.1	54.9	55.5	55.9	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 16000	50.1	54.9	55.5	55.9	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 14000	50.4	55.3	55.8	56.2	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 12000	51.4	56.2	56.5	57.2	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 10000	54.0	59.1	59.7	60.1	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 9000	54.6	59.8	60.3	60.6	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 8000	57.5	63.2	63.8	64.3	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 7000	58.5	64.2	64.7	65.3	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 6000	60.1	66.0	66.6	67.1	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 5000	63.2	70.3	70.9	71.5	72.0	72.2	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 4500	67.3	74.9	75.7	76.6	77.2	77.3	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 4000	68.6	76.6	77.5	78.4	79.0	79.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 3500	70.5	78.6	79.8	81.0	81.6	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 3000	72.3	80.8	81.9	83.1	83.8	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 2500	74.7	83.7	84.9	86.2	87.0	87.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 2000	76.2	85.4	86.6	88.2	88.9	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 1800	76.5	85.6	87.1	88.5	89.2	89.4	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 1600	76.6	85.8	87.4	88.9	89.9	90.0	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1400	76.6	85.8	87.4	88.9	90.0	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1200	76.7	86.5	88.2	89.9	91.0	91.1	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1000	76.9	86.5	88.2	89.9	91.0	91.1	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 900	77.0	86.8	88.6	90.3	91.5	91.6	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 800	77.0	87.1	89.1	91.0	92.3	92.4	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 700	77.0	87.2	89.2	91.1	92.4	92.5	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 600	77.0	87.8	89.9	91.7	93.1	93.3	94.2	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 500	77.0	88.0	90.1	92.0	93.5	93.6	94.7	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 400	77.0	88.0	90.1	92.3	94.1	94.6	95.9	96.6	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 300	77.0	88.0	90.1	92.3	94.1	94.6	96.1	96.9	97.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 200	77.0	88.0	90.1	92.3	94.1	94.6	96.3	97.2	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 100	77.0	88.0	90.1	92.3	94.1	94.6	96.3	97.2	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 76-87  
MONTH: MAY HOURS/DATE: 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																			
	GE 1	GE 1/2	GE 3/4	GE 1	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15
NO CEIL	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 2000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 1800	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 1600	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 1400	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 1200	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 1000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 900	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 800	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 700	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 600	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 400	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 300	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 200	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 100	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 0	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7

TOTAL NUMBER OF OBSERVATIONS: 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VARIOUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 76-87

MONTH: MAY POLARSIST: 0600-0800

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 930.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 755267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87

MONTH: MAY HOURS(IST): 0900-1100

CEILING		VISIBILITY IN STATUTE MILES														
IN FEET		GE 10	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO DATA	41.1	46.6	48.1	49.6	49.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 20000	44.1	49.9	51.3	52.9	52.9	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 18000	44.4	50.2	51.6	53.2	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 16000	44.4	50.2	51.6	53.2	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 14000	44.4	50.2	51.6	53.2	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 12000	47.0	53.0	54.5	56.1	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 10000	48.0	56.6	58.2	59.8	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 9000	50.5	57.4	59.0	61.0	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 8000	52.5	60.4	62.2	64.2	64.6	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 7000	53.2	61.3	63.1	65.4	65.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 6000	54.0	62.3	64.2	66.5	67.2	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 5000	55.5	65.2	67.4	70.3	71.6	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 4000	55.8	66.9	69.5	72.6	74.0	74.5	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 3000	58.0	68.3	71.2	74.3	75.7	76.3	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 2000	57.5	70.1	73.2	76.5	77.8	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 1000	61.2	72.3	75.8	79.0	80.4	81.1	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 2000	67.6	74.2	77.7	81.0	82.4	83.0	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 1800	65.7	77.8	81.5	84.8	86.2	87.0	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 1600	65.9	78.2	81.8	85.2	86.6	87.3	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1400	67.2	80.5	84.3	87.7	89.1	89.9	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1200	67.6	81.4	85.6	89.7	91.1	91.8	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1000	67.7	82.0	86.3	90.9	92.3	93.3	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 900	67.8	82.2	86.5	91.2	92.4	93.5	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 800	68.0	82.4	86.7	91.4	92.9	94.1	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 700	68.1	82.5	86.9	91.6	93.4	94.6	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 600	68.1	82.6	87.1	91.8	94.0	95.2	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 500	68.1	82.6	87.1	91.8	94.0	95.2	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 400	68.1	82.6	87.1	91.8	94.0	95.2	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 300	68.1	82.6	87.1	91.8	94.0	95.2	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 200	68.1	82.6	87.1	91.8	94.0	95.2	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 100	68.1	82.6	87.1	91.8	94.0	95.2	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 0	68.1	82.6	87.1	91.8	94.0	95.2	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURPLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(EST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	1	1/2	1/4	1/8	1/16	1/32	1/64	1/128	1/256	1/512	1/1024	1/2048	1/4096	1/8192	1/16384	1/32768	0
NO CEIL	43.7	46.8	47.6	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 20000	48.5	52.7	53.7	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 18000	44.9	53.1	54.1	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 16000	49.1	53.3	54.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 14000	49.6	53.8	54.7	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 12000	50.6	54.0	55.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 10000	57.4	58.1	59.0	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 9000	54.4	59.1	60.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 8000	55.9	61.2	62.5	63.8	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 7000	56.9	62.7	64.7	65.3	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 6000	57.7	63.9	65.4	67.0	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 5000	59.0	65.9	68.0	69.9	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 4000	61.1	68.6	70.6	72.8	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 3000	62.7	70.3	72.8	75.1	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 2000	64.6	73.0	75.6	78.1	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 1000	68.2	77.1	80.0	82.6	83.2	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 500	71.5	81.1	84.1	86.9	87.6	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 200	72.9	83.1	86.1	89.2	90.0	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 100	73.9	84.3	87.3	90.4	91.2	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 50	74.7	85.1	88.5	92.0	92.9	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 20	74.8	85.9	89.5	93.3	94.2	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 10	74.8	86.2	90.1	94.0	94.9	96.1	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 5	74.8	86.2	90.1	94.0	95.1	96.2	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2	74.8	86.3	90.2	94.1	95.2	96.3	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1	74.8	86.7	90.5	94.4	95.5	96.7	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 0	75.1	87.0	90.9	94.7	95.8	97.0	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 75.2	87.3	91.2	95.1	96.1	97.3	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 75.3	87.3	91.2	95.1	96.2	97.5	98.5	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 75.7	87.3	91.2	95.1	96.2	97.5	98.5	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 75.3	87.3	91.2	95.1	96.2	97.5	98.5	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 75.3	87.3	91.2	95.1	96.2	97.6	98.6	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 630

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 775287 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS (LST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	GE 1	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	47.2	45.7	46.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	
GE 20000	47.5	51.9	52.9	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	
GE 18000	47.7	52.2	53.1	53.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	
GE 16000	47.8	52.3	53.2	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	
GE 14000	48.7	53.1	54.1	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	
GE 12000	50.8	55.3	56.3	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	
GE 10000	57.3	58.2	59.5	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	
GE 9000	54.7	59.1	60.2	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	
GE 8000	56.1	62.0	63.7	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	
GE 7000	57.4	64.2	65.9	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	
GE 6000	59.0	66.0	67.7	68.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	
GE 5000	63.3	70.0	71.8	72.9	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	
GE 4000	65.4	73.8	75.6	77.1	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	
GE 3000	67.6	76.3	79.3	79.8	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	
GE 2000	69.1	78.4	81.5	82.2	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	
GE 1000	70.9	80.6	83.0	84.6	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	
GE 2500	73.4	84.4	86.9	88.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
GE 2000	75.7	86.4	89.5	91.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	
GE 1800	75.9	87.0	89.9	91.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	
GE 1600	76.7	88.2	91.5	93.7	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	
GE 1400	77.0	88.6	91.8	94.0	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	
GE 1200	77.1	88.7	91.9	94.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
GE 1000	77.1	88.7	91.9	94.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
GE 900	77.1	88.7	91.9	94.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
GE 800	77.1	88.7	91.9	94.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
GE 700	77.1	88.7	91.9	94.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
GE 600	77.1	88.7	91.9	94.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
GE 500	77.1	88.7	91.9	94.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
GE 400	77.1	88.7	91.9	94.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
GE 300	77.1	88.7	91.9	94.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
GE 200	77.1	88.7	91.9	94.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
GE 100	77.1	88.7	91.9	94.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
GE 0	77.1	88.7	91.9	94.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	

TOTAL NUMBER OF OBSERVATIONS: 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS.

PERIOD OF RECORD: 76-87  
MONTH: MAY HOURS(EST): 1800-2000

NO	CEIL	VISIBILITY IN STATUTE MILES																					
		IN FEET		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
01	20000	46.3	51.4	52.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
02	18000	47.1	52.2	52.9	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
03	16000	47.2	52.4	53.1	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
04	14000	48.6	54.0	54.7	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
05	12000	49.9	55.9	56.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
06	10000	52.6	59.5	60.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
07	9000	57.1	60.3	61.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
08	8000	55.2	63.1	64.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
09	7000	56.9	65.2	66.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
10	6000	54.3	67.3	69.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
11	5000	61.4	71.6	74.0	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
12	4500	65.2	72.1	74.9	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
13	4000	66.7	73.1	76.1	77.1	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
14	3500	64.1	71.1	73.6	75.1	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
15	3000	62.9	69.2	71.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
16	2500	71.4	75.4	78.5	80.1	81.0	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
17	2000	72.4	77.2	80.3	81.9	83.0	83.3	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
18	1800	72.7	78.0	81.6	83.2	84.6	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
19	1600	72.7	78.0	81.6	83.2	84.6	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
20	1400	72.7	78.0	81.6	83.2	84.6	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
21	1200	72.7	78.0	81.6	83.2	84.6	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
22	1000	72.7	78.0	81.6	83.2	84.6	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
23	800	72.7	78.0	81.6	83.2	84.6	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
24	600	72.7	78.0	81.6	83.2	84.6	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
25	400	72.7	78.0	81.6	83.2	84.6	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
26	200	72.7	78.0	81.6	83.2	84.6	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
27	100	72.7	78.0	81.6	83.2	84.6	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
28	50	72.7	78.0	81.6	83.2	84.6	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
29	25	72.7	78.0	81.6	83.2	84.6	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
30	10	72.7	78.0	81.6	83.2	84.6	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING AND/OR VISIBILITY  
FROM FORMLY OBSERVATIONS

STATION NUMBER: 725247 STATION NAME: NIAGARA FALLS TAP NY

PERCENT OF RECORDS: 79.07  
MONTH: MAY 1965

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEIL	47.1	52.5	53.3	53.7	54.8	54.6	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
CE 20000	49.6	55.5	56.3	56.7	56.8	56.8	56.8	57.1	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
CE 18000	50.3	56.2	57.1	57.4	57.7	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
CE 16000	50.7	56.2	57.1	57.4	57.5	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
CE 14000	50.9	56.7	57.5	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
CE 12000	51.0	56.9	57.9	57.7	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
CE 10000	56.7	62.0	63.1	63.7	63.9	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
CE 9000	56.6	63.1	64.2	64.7	64.9	64.9	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
CE 8000	57.4	65.2	66.2	66.9	67.1	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
CE 7000	58.2	66.2	67.5	68.2	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
CE 6000	59.0	67.3	68.6	69.2	69.5	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
CE 5000	62.2	71.5	73.0	73.9	74.1	74.1	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
CE 4500	66.8	78.6	80.1	81.1	81.3	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
CE 4000	67.7	79.1	81.6	82.7	82.9	82.9	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
CE 3500	69.4	81.2	83.7	84.7	85.1	85.1	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
CE 3000	72.7	84.7	87.3	88.4	88.7	88.7	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
CE 2500	77.8	86.6	89.4	90.4	90.9	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
CE 2000	78.2	88.0	90.5	91.0	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
CE 1800	78.7	88.1	90.6	92.0	92.4	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
CE 1600	78.5	88.6	91.4	92.7	93.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
CE 1400	78.5	88.6	91.7	93.1	93.8	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
CE 1200	78.5	88.9	91.4	93.3	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
CE 1000	78.5	88.9	91.4	93.3	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
CE 900	78.5	88.9	91.4	93.3	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
CE 800	78.5	88.9	91.4	93.3	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
CE 700	78.5	88.9	91.4	93.3	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
CE 600	78.5	88.9	91.4	93.3	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
CE 500	78.5	88.9	91.4	93.3	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
CE 400	78.5	88.9	91.4	93.3	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
CE 300	78.5	88.9	91.4	93.3	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
CE 200	78.5	88.9	91.4	93.3	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
CE 100	78.5	88.9	91.4	93.3	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
CE 0	78.5	88.9	91.4	93.3	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS: 930

FIGURE 4: THE EFFECT OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM AIRWAY OBSERVATIONS

PERIOD OF RECORD: 78-87  
FROM: MAY COUNCILS: ALL

[illegible]

**SECRET**



AD-A187 852

NIAGARA FALLS IOP NY REVISED UNIFORM SUMMARY OF SURFACE 3/4

WEATHER OBSERVATIONS PARTS A-F(U) AIR FORCE

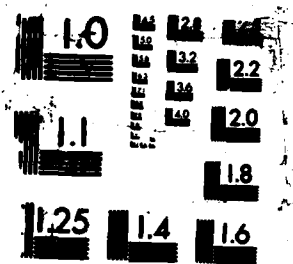
ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A..

UNCLASSIFIED

OCT 87 USAFETAC/DS-87/862

F/C 4/2

NL



MICROCOPY RESOLUTION TEST CHART

GLOBAL CLIMATOLOGY BRANCH  
USAFCTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	47.1	55.0	56.0	56.4	57.0	57.1	57.3	57.4	57.4	57.4	57.6	57.6	57.6	57.6	57.7	57.7
GE 20000	49.2	58.0	59.0	59.4	60.0	60.1	60.3	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.7	60.7
GE 18000	49.2	58.0	59.0	59.4	60.0	60.1	60.3	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.7	60.7
GE 16000	49.2	58.1	59.1	59.6	60.1	60.2	60.4	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.8	60.8
GE 14000	49.2	58.1	59.1	59.6	60.1	60.2	60.4	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.8	60.8
GE 12000	51.7	60.7	61.8	62.6	63.1	63.2	63.6	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.9	63.9
GE 10000	53.8	62.9	64.1	64.9	65.4	65.6	65.9	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.2	66.2
GE 9000	54.3	63.6	64.8	65.6	66.1	66.2	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.9	66.9
GE 8000	55.8	65.6	67.2	68.0	68.7	68.9	69.2	69.3	69.3	69.4	69.4	69.4	69.6	69.6	69.7	69.7
GE 7000	56.2	66.4	68.1	68.9	69.6	69.8	70.1	70.2	70.2	70.3	70.3	70.3	70.4	70.4	70.6	70.6
GE 6000	58.6	68.9	70.6	71.3	72.0	72.2	72.6	72.7	72.7	72.8	72.8	72.9	72.9	73.0	73.0	73.0
GE 5000	61.9	73.0	74.8	76.0	76.7	76.9	77.2	77.3	77.3	77.4	77.4	77.6	77.6	77.6	77.7	77.7
GE 4000	64.0	76.1	77.9	79.6	80.3	80.6	81.0	81.1	81.1	81.2	81.2	81.3	81.3	81.3	81.4	81.4
GE 4000	65.0	77.2	79.2	80.9	81.8	82.1	82.6	82.7	82.8	82.9	82.9	83.0	83.0	83.0	83.1	83.1
GE 3000	66.4	79.0	81.2	83.1	84.1	84.6	85.0	85.1	85.2	85.3	85.3	85.4	85.4	85.4	85.6	85.6
GE 3000	68.1	81.0	83.2	85.4	86.7	87.3	87.8	87.9	88.0	88.1	88.1	88.2	88.2	88.3	88.3	88.3
GE 2000	69.0	82.2	85.0	87.3	88.7	89.3	90.0	90.1	90.2	90.3	90.3	90.4	90.4	90.4	90.6	90.6
GE 2000	70.2	83.7	86.9	89.6	91.1	91.9	92.7	92.8	92.9	93.0	93.0	93.1	93.1	93.1	93.2	93.2
GE 1800	71.1	84.7	87.9	90.6	92.1	92.9	93.8	93.9	94.0	94.1	94.1	94.2	94.2	94.2	94.3	94.3
GE 1800	71.8	85.4	89.0	91.7	93.2	94.0	95.0	95.2	95.3	95.4	95.4	95.6	95.6	95.6	95.7	95.7
GE 1200	72.0	85.7	89.2	92.0	93.8	94.7	95.7	95.9	96.0	96.1	96.1	96.2	96.2	96.2	96.3	96.3
GE 1000	72.1	85.8	89.3	92.1	93.9	94.8	95.8	96.0	96.1	96.2	96.2	96.3	96.3	96.3	96.4	96.4
GE 900	72.1	85.8	89.3	92.1	93.9	94.8	95.8	96.0	96.1	96.2	96.2	96.3	96.3	96.3	96.4	96.4
GE 800	72.2	85.9	89.4	92.2	94.0	94.8	95.9	96.1	96.2	96.3	96.3	96.4	96.4	96.4	96.6	96.6
GE 700	72.2	85.9	89.4	92.6	94.6	95.4	96.4	96.7	96.8	96.9	96.9	97.0	97.0	97.0	97.1	97.1
GE 600	72.2	85.9	89.4	92.7	94.7	95.6	96.7	96.9	97.0	97.1	97.1	97.2	97.2	97.2	97.3	97.3
GE 500	72.3	86.1	89.8	93.2	95.4	96.4	97.6	97.8	97.9	98.0	98.0	98.1	98.1	98.1	98.2	98.2
GE 400	72.3	86.1	89.8	93.2	95.4	96.4	97.7	97.9	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3
GE 300	72.3	86.2	89.9	93.4	95.9	96.9	98.1	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6
GE 200	72.3	86.2	89.9	93.4	95.9	96.9	98.1	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6
GE 100	72.3	86.2	89.9	93.4	95.9	96.9	98.1	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6
GE 0	72.3	86.2	89.9	93.4	95.9	96.9	98.1	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87

MONTH: JUN FOUR(1ST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CLTL	40.3	45.7	47.6	49.0	50.6	51.0	51.1	51.3	51.3	51.3	51.6	51.6	51.6	51.6	51.7	51.9
GE 20000	42.4	48.2	50.1	51.6	53.2	53.7	53.8	54.1	54.1	54.1	54.3	54.3	54.3	54.3	54.4	54.7
GE 18000	42.4	48.2	50.1	51.6	53.2	53.7	53.8	54.1	54.1	54.1	54.3	54.3	54.3	54.3	54.4	54.7
GE 16000	42.4	48.2	50.2	51.8	53.4	53.9	54.0	54.3	54.3	54.3	54.6	54.6	54.6	54.6	54.7	54.9
GE 14000	42.8	48.6	50.6	52.1	53.9	54.3	54.4	54.8	54.8	54.8	55.0	55.0	55.0	55.0	55.1	55.3
GE 12000	45.2	51.3	53.3	55.3	57.1	57.6	57.8	58.1	58.1	58.1	58.3	58.3	58.3	58.3	58.4	58.8
GE 10000	47.9	54.6	56.8	58.8	60.8	61.3	61.6	62.0	62.0	62.0	62.2	62.2	62.2	62.2	62.3	62.7
GE 9000	49.4	56.2	58.4	60.4	62.4	63.0	63.2	63.7	63.7	63.7	63.9	63.9	63.9	63.9	64.0	64.3
GE 8000	50.4	58.0	60.4	62.4	64.4	65.4	65.8	66.4	66.4	66.4	66.7	66.7	66.7	66.7	66.8	67.1
GE 7000	50.8	58.7	61.1	63.2	65.6	66.2	66.6	67.2	67.2	67.2	67.4	67.4	67.4	67.4	67.6	67.9
GE 6000	52.7	61.0	63.4	65.8	68.1	68.8	69.1	69.8	69.8	69.8	70.0	70.0	70.0	70.0	70.1	70.4
GE 5000	55.8	64.8	67.6	70.0	72.4	73.2	73.6	74.2	74.2	74.2	74.6	74.6	74.6	74.6	74.8	75.1
GE 4500	58.1	67.6	70.6	73.1	75.7	76.6	76.9	77.6	77.6	77.6	77.9	77.9	77.9	77.9	78.1	78.4
GE 4000	59.2	69.0	72.3	74.9	77.4	78.3	78.9	79.7	79.7	79.7	80.0	80.1	80.1	80.1	80.3	80.7
GE 3500	60.3	70.3	73.7	76.2	78.8	79.7	80.4	81.2	81.3	81.3	81.7	81.8	81.8	81.8	82.0	82.3
GE 3000	62.3	72.8	76.4	79.0	81.7	82.6	83.3	84.1	84.2	84.2	84.6	84.7	84.7	84.7	84.9	85.2
GE 2500	62.9	73.3	77.2	79.8	82.8	83.9	84.7	85.4	85.6	85.6	85.9	86.0	86.0	86.0	86.2	86.6
GE 2000	63.9	75.0	79.1	81.9	85.3	86.6	87.6	88.4	88.8	88.8	89.1	89.2	89.2	89.2	89.4	89.8
GE 1800	64.3	75.4	79.6	82.3	85.8	87.0	88.0	88.9	89.2	89.2	89.6	89.7	89.7	89.7	89.9	90.2
GE 1600	65.3	76.8	81.0	83.9	87.6	88.8	90.1	91.0	91.4	91.4	91.8	91.9	91.9	91.9	92.1	92.4
GE 1400	65.4	77.0	81.2	84.2	88.0	89.2	90.6	91.6	92.0	92.0	92.3	92.4	92.4	92.4	92.7	93.0
GE 1200	65.7	77.4	81.9	84.9	88.8	90.0	91.6	92.7	93.1	93.1	93.4	93.6	93.6	93.6	93.8	94.1
GE 1000	65.8	77.6	82.2	85.3	89.2	90.4	92.0	93.1	93.6	93.6	93.9	94.0	94.0	94.0	94.2	94.6
GE 900	65.8	77.6	82.2	85.7	89.6	90.8	92.3	93.4	93.9	93.9	94.2	94.3	94.3	94.3	94.6	94.9
GE 800	65.9	77.7	82.3	85.9	89.9	91.2	92.9	94.0	94.6	94.6	94.9	95.0	95.0	95.0	95.2	95.6
GE 700	65.9	77.7	82.3	86.0	90.0	91.3	93.0	94.1	94.9	94.9	95.2	95.3	95.3	95.3	95.6	95.9
GE 600	65.9	77.9	82.6	86.6	90.7	92.1	94.2	95.3	96.2	96.3	96.7	96.8	96.9	96.9	97.1	97.4
GE 500	65.9	77.9	82.6	86.6	90.7	92.1	94.2	95.4	96.4	96.8	97.1	97.3	97.4	97.4	97.7	98.0
GE 400	65.9	77.9	82.7	86.8	91.0	92.4	94.6	95.9	96.9	97.3	97.9	98.1	98.2	98.2	98.4	98.6
GE 300	65.9	77.9	82.7	86.9	91.1	92.6	94.7	96.0	97.1	97.8	98.3	98.6	98.7	98.7	98.9	99.2
GE 200	65.9	77.9	82.7	86.9	91.1	92.6	94.7	96.0	97.1	97.8	98.3	98.6	98.8	98.8	99.4	99.9
GE 100	65.9	77.9	82.7	86.9	91.1	92.6	94.7	96.0	97.1	97.8	98.3	98.6	98.8	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 705287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 3 1/2	GE 4	GE 4 1/2	GE 5	GE 5 1/2	GE 6	GE 6 1/2	GE 7	GE 7 1/2	GE 8	GE 8 1/2	GE 9
NO CEIL	37.6	42.6	46.0	48.7	50.2	51.2	51.6	52.2	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 20000	39.7	45.1	48.9	51.9	53.6	54.6	54.9	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	56.0	56.0
GE 18000	39.7	45.1	48.9	51.9	53.6	54.6	54.9	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	56.0	56.0
GE 16000	39.7	45.1	48.9	51.9	53.6	54.6	54.9	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	56.0	56.0
GE 14000	40.9	46.4	50.3	53.3	55.0	56.0	56.3	57.0	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4
GE 12000	42.0	48.0	52.0	55.1	56.9	57.9	58.2	58.9	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.3
GE 10000	43.8	50.1	54.6	57.8	59.7	60.8	61.1	61.8	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2
GE 9000	44.0	50.4	54.9	58.2	60.2	61.3	61.7	62.3	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8
GE 8000	45.4	52.9	57.3	60.7	62.7	63.9	64.2	64.9	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3
GE 7000	45.8	53.4	58.0	61.4	63.4	64.7	65.0	65.8	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.2
GE 6000	46.9	54.8	59.6	63.0	65.0	66.6	66.9	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1
GE 5000	47.9	56.8	61.8	65.3	67.3	69.1	69.4	70.3	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9
GE 4500	50.7	60.1	65.3	69.4	71.7	73.9	74.3	75.2	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9
GE 4000	52.0	61.9	67.4	71.6	73.9	76.2	76.8	77.7	77.9	78.2	78.3	78.3	78.3	78.3	78.3	78.4	78.4
GE 3500	52.7	62.7	68.3	72.7	75.2	77.9	78.4	79.3	79.6	79.9	80.0	80.0	80.0	80.0	80.0	80.1	80.1
GE 3000	53.9	64.1	69.9	74.3	77.0	80.0	80.6	81.4	81.8	82.1	82.2	82.2	82.2	82.2	82.2	82.3	82.3
GE 2500	54.8	65.2	71.1	75.9	78.6	82.2	82.9	83.8	84.2	84.6	84.7	84.7	84.7	84.7	84.7	84.8	84.8
GE 2000	55.6	66.2	72.2	77.1	80.1	83.8	84.7	85.6	86.0	86.3	86.4	86.4	86.4	86.4	86.4	86.6	86.6
GE 1800	55.9	66.6	72.6	77.4	80.4	84.1	85.0	85.9	86.3	86.7	86.8	86.8	86.8	86.8	86.8	86.9	86.9
GE 1600	57.6	68.6	74.9	80.2	83.4	87.1	88.0	89.1	89.6	89.9	90.1	90.1	90.1	90.1	90.1	90.2	90.2
GE 1400	59.1	69.3	75.8	81.3	84.8	88.6	89.8	91.0	91.4	91.8	92.0	92.0	92.1	92.1	92.1	92.2	92.2
GE 1200	58.4	69.8	76.3	82.1	85.7	89.6	90.8	92.1	92.7	93.1	93.3	93.3	93.4	93.4	93.4	93.6	93.6
GE 1000	58.6	69.9	76.6	82.4	86.0	89.9	91.1	92.4	93.1	93.6	93.8	93.8	93.9	93.9	93.9	94.0	94.0
GE 900	59.8	70.2	76.9	82.8	86.3	90.3	91.6	92.9	93.6	94.0	94.3	94.3	94.4	94.4	94.4	94.6	94.6
GE 800	59.8	70.2	77.0	82.9	86.6	90.7	92.0	93.4	94.1	94.6	94.9	94.9	95.0	95.0	95.0	95.1	95.1
GE 700	59.8	70.2	77.0	82.9	86.6	90.8	92.4	93.9	94.6	95.0	95.4	95.4	95.6	95.6	95.6	95.7	95.7
GE 600	59.8	70.2	77.0	82.9	86.6	90.8	92.4	93.9	94.6	95.0	95.4	95.4	95.6	95.6	95.6	95.7	95.7
GE 500	59.8	70.2	77.0	82.9	86.6	90.8	92.4	93.9	94.6	95.0	95.4	95.4	95.6	95.6	95.6	95.7	95.7
GE 400	59.8	70.2	77.0	82.9	86.6	90.8	92.4	93.9	94.6	95.0	95.4	95.4	95.6	95.6	95.6	95.7	95.7
GE 300	59.8	70.2	77.0	82.9	86.6	90.8	92.4	93.9	94.6	95.0	95.4	95.4	95.6	95.6	95.6	95.7	95.7
GE 200	59.8	70.2	77.0	82.9	86.6	90.8	92.4	93.9	94.6	95.0	95.4	95.4	95.6	95.6	95.6	95.7	95.7
GE 100	59.8	70.2	77.0	82.9	86.6	90.8	92.4	93.9	94.6	95.0	95.4	95.4	95.6	95.6	95.6	95.7	95.7
GE 0	59.8	70.2	77.0	82.9	86.6	90.8	92.4	93.9	94.6	95.0	95.4	95.4	95.6	95.6	95.6	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-67  
MONTH: JUN HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL	41.5	47.2	48.7	51.0	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3		
GE 20000	44.4	50.3	52.1	55.0	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3		
GE 18000	44.4	50.3	52.1	55.2	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6		
GE 16000	44.4	50.3	52.1	55.3	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7		
GE 14000	45.0	51.1	52.9	56.1	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4		
GE 12000	47.0	53.3	55.1	58.3	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7		
GE 10000	50.2	57.4	59.2	62.6	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3		
GE 9000	50.7	58.1	59.9	63.2	64.9	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3		
GE 8000	51.6	59.3	61.4	65.0	66.8	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2		
GE 7000	52.2	60.2	62.4	65.9	67.7	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1		
GE 6000	53.2	61.6	63.9	67.4	69.2	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7		
GE 5000	54.8	63.9	66.3	69.9	71.9	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3		
GE 4500	56.7	67.0	69.9	73.6	75.8	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4		
GE 4000	57.8	68.4	71.3	75.0	77.2	77.7	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1		
GE 3500	59.1	69.9	72.9	76.7	78.9	79.3	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8		
GE 3000	60.6	71.6	74.8	78.6	81.0	81.4	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9		
GE 2500	62.0	73.6	76.9	81.1	83.8	84.2	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8		
GE 2000	63.4	75.4	79.2	83.4	86.4	86.9	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4		
GE 1800	64.7	76.1	80.0	84.3	87.3	87.9	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4		
GE 1600	66.2	78.7	82.7	87.2	90.3	91.0	91.4	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9		
GE 1400	66.8	79.4	83.6	88.1	91.9	92.6	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9		
GE 1200	66.9	80.0	84.2	88.9	92.9	94.1	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4		
GE 1000	66.9	80.0	84.2	88.9	93.0	94.2	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6		
GE 900	66.9	80.1	84.3	89.2	93.8	95.0	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3		
GE 800	67.0	80.2	84.4	89.7	94.3	95.7	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1		
GE 700	67.1	80.4	84.7	90.1	95.2	96.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3		
GE 600	67.1	80.6	84.8	90.2	95.3	97.1	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9		
GE 500	67.1	80.6	84.8	90.2	95.6	97.3	98.6	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7		
GE 400	67.1	80.6	84.8	90.2	95.6	97.3	98.6	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7		
GE 300	67.1	80.6	84.8	90.2	95.6	97.4	98.7	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE 200	67.1	80.6	84.8	90.2	95.6	97.4	98.7	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE 100	67.1	80.6	84.8	90.2	95.6	97.4	98.7	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE 0	67.1	80.6	84.8	90.2	95.6	97.4	98.7	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725207 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS (LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/2	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15
NO CEIL	42.3	46.3	48.4	50.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 20000	47.7	52.2	54.7	56.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 18000	47.8	52.3	54.8	56.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 16000	47.8	52.3	54.8	56.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 14000	48.2	53.1	55.6	57.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 12000	49.3	54.3	57.3	58.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 10000	51.4	57.1	60.2	62.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 9000	51.7	57.3	60.4	62.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 8000	54.1	60.7	64.1	66.2	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 7000	55.2	62.3	65.8	67.9	67.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 6000	56.2	63.6	67.2	69.3	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 5000	57.7	66.1	69.9	72.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 4500	58.3	66.6	72.3	75.0	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 4000	60.6	70.2	74.2	76.9	78.9	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 3500	62.7	72.4	76.4	79.1	81.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 3000	66.0	76.0	80.2	83.1	85.4	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 2500	68.3	79.0	83.3	86.2	88.8	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 2000	70.1	81.1	85.8	88.9	91.7	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1800	70.8	81.8	86.4	89.6	92.3	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1600	71.2	82.6	87.4	90.8	93.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1400	71.3	83.2	88.2	92.0	95.1	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1200	71.4	83.7	88.7	92.8	96.0	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1000	71.4	83.7	88.7	93.0	96.2	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 900	71.7	83.9	89.4	93.6	97.0	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	71.7	84.1	89.8	94.1	97.4	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	71.7	84.1	89.8	94.1	97.4	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	71.7	84.2	89.9	94.3	97.7	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	71.7	84.2	89.9	94.3	97.9	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	71.7	84.2	89.9	94.3	97.9	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	71.7	84.2	89.9	94.3	97.9	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	71.7	84.2	89.9	94.3	97.9	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	71.7	84.2	89.9	94.3	97.9	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	71.7	84.2	89.9	94.3	97.9	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(1511, 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1/2	GE 3/4	GE 1	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11
NO CEIL	44.4	48.7	50.8	52.6	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 20000	48.4	53.3	55.7	57.6	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 18000	49.7	54.6	56.9	58.8	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 16000	49.7	54.6	56.9	58.8	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 14000	50.9	55.8	58.2	60.2	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 12000	52.0	57.3	60.1	62.1	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 10000	54.3	60.2	63.4	65.6	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 9000	54.9	61.0	64.4	66.6	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 8000	57.1	63.8	67.7	70.1	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 7000	59.0	66.1	70.0	72.6	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 6000	59.9	67.2	71.3	73.9	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 5000	62.1	69.8	73.9	76.7	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 4500	64.3	72.7	77.2	80.3	81.0	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 4000	65.9	74.8	79.6	82.6	83.4	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 3500	69.8	79.0	82.8	86.0	86.7	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 3000	70.9	80.3	85.2	88.6	89.6	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 2500	72.0	81.7	86.6	90.6	91.6	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 2000	72.7	83.1	88.9	93.0	94.2	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1800	72.7	83.2	89.0	93.1	94.3	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1600	73.1	83.9	89.7	94.1	95.3	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1400	73.2	84.2	90.2	94.7	95.9	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1200	73.4	84.6	90.6	95.3	96.6	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1000	73.4	84.6	90.6	95.4	96.7	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 900	73.6	84.7	90.7	95.6	96.9	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 800	73.6	84.7	90.7	95.7	97.2	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	73.6	84.8	90.8	95.8	97.3	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	73.7	84.9	91.0	96.0	97.6	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	73.7	85.0	91.3	96.4	98.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	73.7	85.0	91.3	96.4	98.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	73.7	85.0	91.3	96.4	98.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	73.7	85.0	91.3	96.4	98.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	73.7	85.0	91.3	96.4	98.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS(157): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
NO CELL	46.1	50.3	53.0	54.9	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 20000	49.8	53.5	56.1	58.0	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 18000	49.8	54.2	56.9	58.8	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 16000	50.3	54.8	57.5	59.6	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 14000	51.1	55.9	58.7	61.4	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 12000	53.8	58.6	61.5	64.5	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 10000	55.2	60.2	63.3	66.3	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 9000	55.7	60.9	64.0	67.0	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 8000	59.0	63.6	67.1	70.5	70.9	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 7000	59.8	65.8	69.8	73.4	73.8	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 6000	60.4	66.5	70.5	74.1	74.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 5000	62.7	69.5	73.5	77.4	78.0	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 4500	65.4	73.5	77.8	82.2	83.0	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 4000	67.3	75.7	80.4	84.9	86.0	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 3500	68.2	77.5	82.5	87.1	88.3	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 3000	69.7	79.4	84.7	89.6	90.9	91.5	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 2500	70.8	81.0	86.6	91.5	92.9	93.5	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 2000	70.9	81.5	87.3	92.5	94.1	94.8	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1800	71.0	81.0	87.4	92.7	94.2	94.9	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1600	71.0	81.6	87.5	92.8	94.4	95.3	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1400	71.0	81.6	87.6	92.9	94.5	95.4	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1200	71.4	82.1	88.1	93.4	95.1	96.0	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1000	71.4	82.2	88.2	93.5	95.2	96.1	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 900	71.4	82.4	88.4	93.9	95.8	96.7	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	71.5	82.7	88.8	94.3	96.3	97.2	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 700	71.5	82.7	88.8	94.4	96.8	97.7	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	71.5	82.9	88.9	94.7	97.0	97.9	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	71.5	82.9	88.9	94.7	97.0	97.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	71.5	83.0	89.0	94.8	97.2	98.3	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	71.5	83.0	89.0	94.8	97.3	98.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	71.5	83.0	89.0	94.8	97.3	98.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	71.5	83.0	89.0	94.8	97.3	98.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	49.8	56.9	59.5	59.1	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 20000	52.2	59.8	61.4	62.0	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 18000	52.2	59.8	61.4	62.0	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 16000	52.2	59.8	61.4	62.0	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 14000	53.5	61.1	63.1	63.9	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 12000	56.2	63.9	65.9	67.1	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 10000	57.2	65.0	67.1	68.3	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 9000	57.3	65.2	67.3	68.6	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 8000	59.3	68.1	70.2	71.6	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 7000	60.5	70.1	72.2	73.6	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 6000	61.2	71.3	73.5	74.8	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 5000	64.3	75.4	77.8	79.4	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 4500	66.0	77.6	80.5	82.5	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 4000	67.2	79.5	82.5	84.6	85.3	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 3500	68.2	80.6	83.9	86.2	87.0	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 3000	67.2	82.5	86.0	88.2	89.0	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 2500	69.8	83.8	87.5	89.7	90.6	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 2000	70.3	85.2	88.9	91.8	93.1	93.6	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1800	70.5	85.5	89.2	92.3	93.6	94.3	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 1600	70.8	86.1	90.0	93.1	94.4	95.1	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1400	70.9	86.2	90.2	93.5	94.9	95.5	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1200	70.9	86.4	90.4	93.8	95.2	95.9	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1000	70.9	86.4	90.4	93.8	95.2	95.9	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 800	70.9	86.4	90.6	94.0	95.4	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 700	71.0	86.5	90.7	94.1	95.9	96.8	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 600	71.0	86.5	91.0	94.4	96.3	97.3	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 500	71.0	86.5	91.0	94.5	96.4	97.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 400	71.1	86.7	91.2	95.1	97.1	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	71.1	86.8	91.3	95.3	97.3	98.6	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	71.1	86.8	91.3	95.3	97.3	98.6	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	71.1	86.8	91.3	95.3	97.3	98.6	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	71.1	86.8	91.3	95.3	97.3	98.6	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JUN FOURSEILST: ALL

CEILING		VISIBILITY IN STATUTE MILES																
IN	FEET	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	43.7	49.1	51.1	52.7	53.6	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.2	54.2	54.2
GE 20000	46.6	52.0	54.7	56.5	57.4	57.7	57.8	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1
GE 18000	46.9	52.8	55.0	56.8	57.7	58.0	58.1	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4
GE 16000	47.0	52.9	55.2	57.0	57.9	58.2	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6
GE 14000	47.7	53.8	56.1	58.0	58.9	59.2	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6
GE 12000	49.6	55.9	58.3	60.5	61.4	61.7	61.8	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.2
GE 10000	51.7	58.4	61.1	63.3	64.3	64.7	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1
GE 9000	52.2	59.1	61.8	64.0	65.1	65.4	65.6	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9
GE 8000	54.0	61.5	64.5	66.8	68.0	68.4	68.6	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	69.0
GE 7000	54.9	62.9	65.9	68.4	69.6	70.0	70.1	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.5
GE 6000	56.1	64.4	67.5	70.0	71.2	71.6	71.8	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.2
GE 5000	59.4	67.4	70.7	73.4	74.7	75.2	75.3	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.8
GE 4500	60.6	70.4	73.9	77.0	78.4	79.1	79.3	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7
GE 4000	61.9	72.1	75.9	78.9	80.5	81.2	81.5	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0
GE 3500	63.2	73.8	77.7	80.9	82.5	83.3	83.6	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2
GE 3000	65.1	76.0	80.1	83.3	85.1	86.0	86.4	86.7	86.7	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	87.0
GE 2500	66.2	77.5	81.8	85.3	87.2	88.2	88.6	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.3
GE 2000	67.1	78.9	83.5	87.3	89.5	90.6	91.2	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8
GE 1800	67.5	79.4	84.0	87.8	90.0	91.2	91.7	92.0	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4
GE 1600	68.4	80.4	85.3	89.2	91.5	92.8	93.4	93.8	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2
GE 1400	69.6	80.6	85.8	89.8	92.4	93.7	94.4	94.8	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2
GE 1200	69.8	81.2	86.2	90.4	93.0	94.4	95.1	95.6	95.7	95.8	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0
GE 1000	69.8	81.3	86.3	90.6	93.2	94.5	95.3	95.8	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2
GE 900	69.9	81.4	86.5	90.9	93.6	95.0	95.8	96.2	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7
GE 800	69.0	81.5	86.6	91.1	94.0	95.5	96.3	96.8	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3
GE 700	69.0	81.5	86.7	91.3	94.3	95.8	96.7	97.2	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7
GE 600	69.0	81.7	86.9	91.6	94.6	96.3	97.3	97.8	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4
GE 500	69.0	81.7	86.9	91.7	94.8	96.6	97.6	98.2	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9
GE 400	69.0	81.8	87.0	91.8	95.0	96.8	97.9	98.5	98.8	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.5
GE 300	69.0	81.8	87.0	91.9	95.1	96.8	98.0	98.6	99.0	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8
GE 200	69.0	81.8	87.0	91.9	95.1	96.9	98.0	98.6	99.0	99.4	99.6	99.6	99.8	99.8	99.8	99.9	99.9	100.0
GE 100	69.0	81.8	87.0	91.9	95.1	96.9	98.0	98.6	99.0	99.4	99.6	99.6	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 7195

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL \*COURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16	GE 17
NO CLIL	40.2	55.4	50.4	59.9	60.4	61.3	61.6	61.7	61.8	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.0
GE 20000	51.2	59.1	62.2	64.4	65.4	65.9	66.3	66.5	66.6	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8
GE 18000	51.2	59.1	62.2	64.4	65.4	65.9	66.3	66.5	66.6	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8
GE 16000	51.2	59.2	62.3	64.5	65.5	66.0	66.5	66.6	66.7	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9
GE 14000	51.6	59.8	62.9	65.1	66.0	66.6	67.0	67.1	67.2	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4
GE 12000	52.0	61.9	64.9	67.2	68.3	68.8	69.2	69.4	69.5	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7
GE 10000	55.1	64.5	67.8	70.3	71.5	72.0	72.5	72.6	72.7	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9
GE 9000	55.6	65.4	68.6	71.6	72.9	73.4	73.9	74.0	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3
GE 8000	58.1	68.2	71.7	75.1	76.3	76.9	77.4	77.5	77.7	77.7	77.8	78.0	78.0	78.0	78.0	78.0	78.0
GE 7000	58.1	69.5	73.0	76.3	77.6	78.5	79.0	79.1	79.4	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6
GE 6000	59.9	70.4	74.2	77.5	78.8	79.7	80.2	80.3	80.5	80.5	80.6	80.8	80.8	80.8	80.8	80.8	80.8
GE 5000	62.3	73.2	77.7	81.3	82.9	83.6	84.3	84.4	84.6	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8
GE 4000	63.5	75.1	79.7	83.2	84.9	85.6	86.3	86.5	86.7	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9
GE 3000	64.4	76.1	80.8	84.5	86.2	87.1	87.6	87.7	88.0	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2
GE 2000	65.5	77.7	82.5	86.3	89.2	89.1	89.7	89.6	90.0	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2
GE 1000	66.5	80.0	84.7	88.7	91.1	92.2	92.8	93.1	93.3	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5
GE 2500	67.6	80.9	85.7	89.8	92.3	93.3	94.0	94.2	94.5	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7
GE 2000	68.2	81.9	86.6	90.9	93.4	94.5	95.2	95.4	95.7	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9
GE 1500	68.4	82.3	87.1	91.2	93.9	94.9	95.6	95.8	96.2	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5
GE 1000	68.7	82.7	87.5	91.7	94.4	95.5	96.1	96.3	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0
GE 1200	68.9	83.2	88.1	92.3	95.1	96.1	96.8	97.0	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6
GE 1000	68.5	83.3	88.2	92.4	95.2	96.2	96.9	97.1	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 800	68.5	83.4	88.3	92.5	95.3	96.3	97.1	97.3	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 600	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 400	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 200	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 100	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 50	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 25	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 12.5	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 6.25	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 3.125	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 1.5625	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.78125	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.390625	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.1953125	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.09765625	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.048828125	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.0244140625	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.01220703125	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.006103515625	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.0030517578125	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.00152587890625	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.000762939453125	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.0003814697265625	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.00019073486328125	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.000095367431640625	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.0000476837158203125	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.00002384185791015625	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.000011920928955078125	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.0000059604644775390625	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.00000298023223876953125	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.000001490116119384765625	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.0000007450580596923828125	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.00000037252902984619140625	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.000000186264514923095703125	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.0000000931322574615478515625	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.00000004656612873077392578125	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.000000023283064365386962890625	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.0000000116415321826934814453125	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.00000000582076609134674072265625	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.000000002910383045673370361328125	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.0000000014551915228366851806640625	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 0.00000000072759576141834259033203125	69.1	83.5	88.4	92.6	95.4	96.4	97.2	97.4	97.8	97.8	97.9	98.1	98.1				

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL FOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GF 6	GE 5	GE 4	GE 3	GF 2 1/2	GE 2	GF 1 1/2	GE 1 1/4	GE 1	GE 3/4	GF 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	38.7	46.7	49.9	52.4	53.3	54.1	54.7	55.4	55.6	55.8	55.9	56.0	56.0	56.0	56.0	56.1
GE 20000	41.3	49.5	53.3	56.3	58.8	58.8	59.7	60.3	60.6	60.9	61.0	61.1	61.1	61.1	61.1	61.2
GE 18000	41.5	49.7	53.5	56.6	58.2	59.0	59.9	60.5	60.9	61.1	61.2	61.3	61.3	61.3	61.3	61.4
GE 16000	41.5	49.8	53.7	56.7	58.3	59.1	60.0	60.6	61.0	61.2	61.3	61.4	61.4	61.4	61.4	61.5
GE 14000	41.6	50.1	54.1	57.1	58.7	59.6	60.4	61.1	61.4	61.6	61.7	61.8	61.8	61.8	61.8	61.9
GE 12000	43.3	52.2	56.1	59.2	60.9	61.7	62.7	63.3	63.7	63.9	64.0	64.1	64.1	64.1	64.1	64.2
GE 10000	45.5	55.6	59.6	62.9	64.6	65.5	66.6	67.2	67.6	67.8	68.0	68.1	68.1	68.1	68.1	68.2
GE 9000	46.6	56.8	60.9	64.2	66.1	67.0	68.5	69.1	69.6	69.8	69.9	70.0	70.0	70.0	70.0	70.1
GE 8000	47.5	58.6	62.8	66.7	68.6	69.5	71.2	72.0	72.5	72.7	72.9	72.9	72.9	72.9	72.9	73.0
GE 7000	48.2	59.5	63.6	67.7	69.7	70.6	72.4	73.2	73.7	74.0	74.1	74.2	74.2	74.2	74.2	74.3
GE 6000	49.6	61.3	65.7	69.7	71.6	72.6	74.3	75.2	75.6	75.9	76.0	76.1	76.1	76.1	76.1	76.2
GE 5000	51.8	64.4	69.1	73.2	75.2	76.2	78.1	78.9	79.4	79.7	79.8	79.9	79.9	79.9	79.9	80.0
GE 4500	53.7	67.3	72.5	76.8	78.8	79.9	81.7	82.6	83.0	83.3	83.4	83.5	83.5	83.5	83.5	83.7
GE 4000	54.2	69.4	73.7	78.2	80.5	81.6	83.5	84.4	84.8	85.2	85.3	85.4	85.4	85.4	85.4	85.5
GE 3500	55.7	70.1	75.5	80.1	82.6	84.0	86.2	87.1	87.5	87.8	88.0	88.1	88.1	88.1	88.1	88.2
GE 3000	56.9	71.8	77.3	82.0	84.5	86.0	88.4	89.2	89.7	90.0	90.2	90.3	90.4	90.4	90.4	90.5
GE 2500	57.7	73.1	78.8	83.8	86.2	87.8	90.3	91.4	91.8	92.2	92.4	92.5	92.6	92.6	92.6	92.7
GE 2000	59.1	73.4	79.2	84.2	86.8	88.4	91.0	92.0	92.5	92.8	93.0	93.1	93.2	93.2	93.2	93.3
GE 1500	59.7	73.5	79.5	84.4	87.0	88.6	91.2	92.3	92.7	93.0	93.2	93.3	93.4	93.4	93.4	93.5
GE 1000	59.6	74.0	80.1	85.2	88.0	89.7	92.3	93.3	93.9	94.2	94.4	94.5	94.6	94.6	94.6	94.7
GE 1200	59.8	74.4	80.5	85.7	88.5	90.2	92.8	93.9	94.4	94.7	94.9	95.1	95.2	95.2	95.2	95.3
GE 1000	59.9	74.7	80.9	86.2	89.2	91.0	93.5	94.6	95.2	95.6	95.8	95.9	96.0	96.0	96.0	96.1
GE 900	59.9	74.7	80.9	86.2	89.2	91.0	93.7	94.7	95.3	95.7	95.9	96.0	96.1	96.1	96.1	96.2
GE 800	59.9	74.8	81.0	86.5	89.5	91.2	93.9	94.9	95.5	95.9	96.1	96.2	96.3	96.3	96.3	96.5
GE 700	59.9	74.8	81.0	86.5	89.6	91.3	94.0	95.1	95.6	96.0	96.2	96.3	96.5	96.5	96.5	96.6
GE 600	59.9	74.8	81.0	86.5	89.6	91.4	94.1	95.2	95.7	96.1	96.5	96.6	96.7	96.7	96.7	96.8
GE 500	59.9	75.2	81.3	86.8	90.1	92.0	94.7	95.9	96.6	97.1	97.5	97.6	97.7	97.7	97.7	97.8
GE 400	59.9	75.2	81.3	86.9	90.4	92.6	95.3	96.5	97.4	98.0	98.5	98.6	98.9	99.0	99.0	99.1
GE 300	59.9	75.2	81.3	86.9	90.4	92.8	95.5	96.7	97.7	98.3	98.8	98.9	99.2	99.4	99.4	99.5
GE 200	59.9	75.2	81.3	86.9	90.4	93.0	95.7	96.9	98.0	98.5	99.0	99.1	99.5	99.6	99.6	99.8
GE 100	59.9	75.2	81.3	86.9	90.4	93.1	95.7	96.9	98.0	98.5	99.0	99.1	99.5	99.6	99.6	99.9
GE 0	59.9	75.2	81.3	86.9	90.4	93.0	95.7	96.9	98.0	98.5	99.0	99.1	99.5	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS (LST): 0600-0800

CEILING		VISIBILITY IN STATUTE MILES																
IN FEET	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	31.5	40.4	45.6	49.2	50.9	52.4	52.5	53.0	53.4	53.4	53.7	53.7	53.8	53.8	53.8	53.8	53.9	
GE 20000	34.3	43.7	49.4	53.9	55.7	57.2	57.4	58.1	58.6	58.6	58.8	58.8	58.9	58.9	58.9	58.9	59.0	
GE 18000	34.3	43.7	49.4	53.9	55.7	57.2	57.4	58.1	58.6	58.6	58.8	58.8	58.9	58.9	58.9	58.9	59.0	
GE 16000	34.3	43.7	49.4	53.9	55.7	57.2	57.4	58.1	58.6	58.6	58.8	58.8	58.9	58.9	58.9	58.9	59.0	
GE 14000	34.5	43.9	49.6	54.2	56.1	57.7	58.1	58.7	59.2	59.2	59.4	59.5	59.6	59.6	59.6	59.6	59.7	
GE 12000	35.4	44.9	50.6	55.6	57.5	59.1	59.6	60.3	60.9	60.9	61.1	61.1	61.2	61.2	61.2	61.2	61.3	
GE 10000	37.0	47.1	53.1	58.7	61.1	62.8	63.2	64.0	64.6	64.6	65.1	65.1	65.2	65.2	65.2	65.2	65.3	
GE 9000	37.3	47.6	53.7	59.7	62.3	64.0	64.6	65.5	66.1	66.1	66.6	66.6	66.7	66.7	66.7	66.7	66.8	
GE 8000	38.4	49.4	55.8	62.5	65.2	66.9	67.5	68.5	69.1	69.2	69.7	69.7	69.8	69.8	69.8	69.8	69.9	
GE 7000	39.6	50.1	56.6	63.2	65.9	67.6	68.3	69.4	70.0	70.2	70.6	70.6	70.8	70.8	70.8	70.8	70.9	
GE 6000	39.9	51.1	57.6	64.4	67.3	69.0	69.7	70.8	71.4	71.6	72.0	72.0	72.2	72.2	72.2	72.2	72.3	
GE 5000	41.0	52.6	59.8	66.8	69.8	71.6	72.3	73.3	74.0	74.3	74.7	74.7	74.8	74.8	74.8	74.8	74.9	
GE 4500	41.9	54.4	62.2	69.6	72.9	75.2	75.8	77.1	77.7	78.1	78.5	78.5	78.6	78.6	78.6	78.6	78.7	
GE 4000	43.2	57.1	64.9	72.0	75.6	78.1	78.8	80.2	81.0	81.3	81.7	81.7	81.8	81.8	81.8	81.8	81.9	
GE 3500	44.3	58.5	66.1	74.0	77.5	80.1	81.0	82.5	83.2	83.5	84.0	84.0	84.1	84.1	84.1	84.1	84.2	
GE 3000	45.5	60.1	67.7	75.8	79.6	82.6	83.7	85.2	85.9	86.2	86.9	86.9	87.0	87.0	87.0	87.0	87.1	
GE 2500	45.8	60.5	68.6	76.9	80.6	83.8	84.9	86.5	87.2	87.5	88.2	88.2	88.3	88.3	88.3	88.3	88.4	
GE 2000	46.0	61.1	69.2	77.6	81.9	85.1	86.3	88.0	88.8	89.1	89.9	89.9	90.0	90.0	90.0	90.0	90.1	
GE 1800	46.1	61.2	69.5	78.1	82.3	85.4	86.7	88.3	89.1	89.5	90.2	90.2	90.3	90.3	90.3	90.3	90.4	
GE 1600	46.6	61.6	70.3	79.2	84.0	87.3	88.6	90.2	91.1	91.4	92.0	92.0	92.3	92.3	92.3	92.3	92.4	
GE 1400	47.1	62.5	71.0	80.1	85.1	88.5	89.8	91.4	92.3	92.6	93.3	93.3	93.4	93.4	93.4	93.4	93.5	
GE 1200	47.3	62.8	71.3	80.5	85.7	89.5	91.1	92.7	93.5	94.0	94.7	94.7	94.8	94.8	94.8	94.8	94.9	
GE 1000	47.6	63.1	71.6	80.9	86.1	89.9	91.5	93.1	94.0	94.4	95.2	95.2	95.3	95.3	95.3	95.3	95.4	
GE 900	47.6	63.1	71.6	80.9	86.3	90.2	91.8	93.4	94.3	94.7	95.6	95.6	95.7	95.7	95.7	95.7	95.8	
GE 800	47.6	63.3	71.8	81.2	87.0	90.9	92.6	94.2	95.1	95.5	96.3	96.3	96.5	96.5	96.5	96.5	96.6	
GE 700	47.6	63.4	71.9	81.3	87.2	91.2	93.0	94.6	95.5	95.9	96.8	96.8	96.9	96.9	96.9	96.9	97.0	
GE 600	47.6	63.4	71.9	81.3	87.2	91.2	93.1	94.9	95.8	96.2	97.1	97.1	97.2	97.2	97.2	97.2	97.3	
GE 500	47.6	63.4	72.0	81.4	87.6	91.7	93.8	95.6	96.5	96.9	97.8	97.8	98.1	98.1	98.1	98.1	98.2	
GE 400	47.6	63.4	72.0	81.4	87.6	91.7	93.8	95.6	96.6	97.0	97.8	97.8	98.6	98.6	99.0	99.0	99.2	
GE 300	47.6	63.4	72.0	81.4	87.6	91.7	93.8	95.6	96.6	97.0	97.8	97.8	98.6	98.6	99.5	99.5	99.8	
GE 200	47.6	63.4	72.0	81.4	87.6	91.7	93.8	95.6	96.6	97.0	97.8	97.8	98.6	98.6	99.5	99.5	99.8	
GE 100	47.6	63.4	72.0	81.4	87.6	91.7	93.8	95.6	96.6	97.0	97.8	97.8	98.6	98.6	99.5	99.5	99.8	
GE 0	47.6	63.4	72.0	81.4	87.6	91.7	93.8	95.6	96.6	97.0	97.8	97.8	98.6	98.6	99.5	99.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS (LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	37.6	45.9	49.8	52.6	53.4	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 20000	40.4	49.6	54.0	57.2	58.2	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 18000	40.5	49.6	54.3	57.5	58.5	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 16000	40.5	49.9	54.5	57.8	58.8	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 14000	40.6	50.4	55.3	58.7	59.8	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 12000	41.1	51.5	56.6	60.1	61.2	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 10000	43.2	55.2	60.5	64.7	66.0	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 9000	43.7	56.0	61.7	66.1	67.6	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 8000	44.8	58.1	63.9	68.5	70.1	70.8	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 7000	45.7	59.6	65.6	70.2	72.3	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 6000	46.2	60.4	66.7	71.4	73.9	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 5000	47.1	61.7	68.2	72.9	75.5	76.2	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 4000	47.5	62.6	69.4	74.3	76.9	77.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 3000	48.4	63.7	70.5	75.6	78.3	79.0	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 2000	49.5	64.9	72.3	77.5	80.3	81.1	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 1000	50.1	66.3	74.0	79.6	82.5	83.2	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 2000	51.1	67.7	75.4	81.1	84.1	84.9	85.3	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 2000	52.5	70.2	78.1	83.9	87.0	88.2	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 1800	53.0	70.9	78.7	84.6	87.7	88.9	89.2	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1600	54.4	72.4	80.4	87.2	90.6	91.9	92.4	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1400	54.9	73.7	81.8	88.4	92.0	93.3	93.8	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1000	55.6	74.0	82.9	89.7	93.8	95.2	95.6	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 800	55.6	74.6	82.9	89.9	94.1	95.5	95.9	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 600	55.7	74.7	83.0	90.1	94.6	96.0	96.5	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 400	55.7	74.7	83.3	90.4	94.9	96.5	96.9	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 200	55.7	74.7	83.3	90.4	94.9	96.5	96.9	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 100	55.7	74.8	83.4	90.5	95.2	96.7	97.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 400	55.7	74.8	83.4	90.6	95.4	97.0	97.7	98.8	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	55.7	74.9	83.5	90.8	95.6	97.5	98.3	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	55.7	74.9	83.5	90.8	95.6	97.5	98.3	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	55.7	74.9	83.5	90.8	95.6	97.5	98.3	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR FATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
NO CEIL	37.6	46.3	48.5	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 2000	42.3	52.8	54.9	56.7	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 1800	42.8	53.3	55.5	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 1600	43.7	53.9	56.0	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 1400	43.8	54.4	56.6	58.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 1200	44.8	55.7	58.1	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 1000	46.5	58.4	61.0	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 900	47.1	59.6	62.6	64.8	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 800	49.5	61.5	64.6	67.0	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 700	49.4	62.7	65.9	68.7	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 600	50.1	63.9	67.2	70.0	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 500	50.9	65.6	69.1	71.9	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 400	51.2	66.8	70.4	73.5	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 300	52.9	69.1	73.1	76.6	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 200	55.5	72.6	76.9	80.5	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 100	56.7	75.6	80.4	84.5	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 2500	59.4	77.8	82.8	86.9	89.4	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 2000	59.8	77.2	85.5	89.7	92.2	92.9	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1800	60.1	80.6	86.0	90.2	92.7	93.4	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1600	61.4	82.4	88.1	92.3	94.9	95.8	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1400	61.5	82.7	88.5	92.8	95.5	96.7	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1200	61.7	83.3	89.1	93.5	96.5	97.8	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000	61.7	83.3	89.1	93.5	96.5	97.8	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	61.7	83.5	89.4	93.8	96.7	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	61.7	83.7	89.5	93.9	96.8	98.3	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	61.7	83.8	89.6	94.0	97.0	98.5	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	61.7	83.9	89.7	94.1	97.3	98.6	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	61.7	83.9	89.7	94.1	97.3	98.6	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	61.7	83.9	89.7	94.1	97.3	98.6	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	61.7	83.9	89.7	94.2	97.4	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	61.7	83.9	89.7	94.2	97.4	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	61.7	83.9	89.7	94.2	97.4	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86

MONTH: JUL FOURS (LST): 1500-1700

CEILING				VISIBILITY IN STATUTE MILES													
IN FEET	1 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	42.2	49.8	52.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	
GE 20000	40.2	56.6	59.7	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	
GE 18000	48.2	56.9	59.8	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	
GE 16000	48.3	57.0	59.9	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	
GE 14000	49.8	58.8	61.8	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	
GE 12000	51.8	61.2	64.3	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	
GE 10000	53.1	63.2	66.7	70.4	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	
GE 9000	53.7	63.9	67.7	71.7	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	
GE 8000	55.7	66.7	70.8	74.6	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
GE 7000	56.2	67.2	71.4	75.8	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	
GE 6000	56.7	68.1	72.4	76.8	77.7	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	
GE 5000	57.8	69.8	74.3	78.9	79.9	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	
GE 4000	59.6	72.0	76.7	81.6	82.7	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	
GE 3000	61.1	74.3	79.1	84.5	85.8	86.3	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
GE 2000	62.2	76.1	81.2	86.6	88.6	89.1	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	
GE 1000	63.9	79.2	83.4	89.6	91.6	92.3	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	
GE 2000	64.4	79.1	84.4	90.5	92.6	93.2	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	
GE 1800	65.6	80.6	86.1	92.4	94.4	95.1	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	
GE 1600	65.7	80.9	86.6	92.9	94.9	95.6	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	
GE 1400	65.7	81.0	86.7	93.1	95.6	96.3	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
GE 1200	66.5	81.9	88.0	94.4	96.9	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	
GE 1000	66.5	82.3	88.3	94.7	97.2	98.1	98.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	
GE 900	66.5	82.3	88.3	94.7	97.3	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
GE 800	66.5	82.4	88.4	94.8	97.5	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
GE 700	66.5	82.4	88.4	94.8	97.5	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
GE 600	66.5	82.5	88.5	94.9	97.6	98.5	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
GE 500	66.5	82.6	88.6	95.1	98.0	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 400	66.5	82.6	88.6	95.1	98.0	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 300	66.5	82.6	88.6	95.1	98.0	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 200	66.5	82.6	88.6	95.1	98.0	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 100	66.5	82.6	88.6	95.1	98.0	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 0	66.5	82.6	88.6	95.1	98.0	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS (LST): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES																
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2	1 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	49.0	54.1	56.7	60.1	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 20000	51.2	58.0	60.9	64.9	66.0	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 18000	51.2	58.0	60.9	64.9	66.0	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 16000	51.4	58.2	61.3	65.4	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 14000	53.4	61.4	64.2	68.3	69.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 12000	55.4	63.5	66.9	71.0	72.3	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 10000	57.4	65.9	69.7	74.5	76.5	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 9000	59.1	66.3	70.1	75.1	77.0	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 8000	59.9	68.7	72.6	77.6	79.8	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 7000	60.2	69.2	73.2	78.4	80.9	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 6000	60.6	69.8	73.9	79.4	82.2	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 5000	61.3	71.3	76.0	82.4	85.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 4500	62.9	73.3	78.4	84.6	88.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 4000	64.4	74.9	80.0	86.6	89.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 3500	65.5	76.7	82.0	88.6	91.9	92.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 3000	66.7	78.3	83.7	90.4	93.9	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 2500	66.8	78.5	84.0	90.8	94.2	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2000	67.4	79.2	84.7	91.5	95.1	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1800	67.6	79.5	85.1	91.8	95.4	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1600	68.1	79.9	85.5	92.3	95.8	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1400	69.4	80.2	85.8	92.7	96.2	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1200	69.4	80.2	85.8	92.7	96.2	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	69.4	80.2	85.8	92.7	96.2	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	69.4	80.2	85.8	92.7	96.2	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 800	69.4	80.2	85.8	92.7	96.2	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	69.4	80.2	85.8	92.7	96.2	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	69.4	80.2	85.8	92.7	96.2	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 500	69.4	80.2	85.8	92.7	96.2	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 400	69.4	80.2	85.8	92.7	96.2	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 300	69.4	80.2	85.8	92.7	96.2	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 200	69.4	80.2	85.8	92.7	96.2	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 100	69.4	80.2	85.8	92.7	96.2	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE	69.4	80.2	85.8	92.7	96.2	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS: 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	52.7	59.0	61.3	62.5	63.5	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 20000	55.2	62.5	64.9	66.6	67.6	68.1	68.4	68.4	68.4	68.4	69.4	68.4	68.4	68.4	68.4	68.4
GE 18000	55.2	62.5	64.9	66.6	67.6	68.1	68.4	68.4	68.4	68.4	69.4	68.4	68.4	68.4	68.4	68.4
GE 16000	55.2	62.5	64.9	66.6	67.6	68.1	68.4	68.4	68.4	68.4	69.4	68.4	68.4	68.4	68.4	68.4
GE 14000	55.6	63.1	65.6	67.2	68.4	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 12000	58.4	66.5	69.1	71.0	72.3	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 10000	60.2	68.7	71.8	73.9	75.5	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 9000	62.8	69.4	73.0	75.2	76.8	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 8000	62.7	73.2	76.3	78.9	80.6	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 7000	61.3	74.4	77.1	79.8	81.7	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 6000	63.9	74.8	78.5	81.4	83.3	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 5000	65.6	77.4	81.3	84.6	87.1	87.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 4000	67.2	79.7	83.9	87.4	89.7	90.3	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 3000	68.2	81.0	85.2	88.8	91.1	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 2000	68.5	81.3	85.5	89.1	91.4	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 1000	69.4	82.6	86.8	90.5	93.0	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 2500	69.7	83.2	87.4	91.3	93.9	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 2000	70.5	84.2	88.5	92.4	95.2	95.8	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1800	71.0	84.6	89.0	92.9	95.7	96.3	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1600	71.3	85.1	89.5	93.3	96.1	96.9	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1400	71.6	85.4	89.8	93.8	96.6	97.3	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	71.6	85.5	89.9	93.9	96.8	97.5	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	71.6	85.5	89.9	93.9	96.8	97.5	98.1	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	71.6	85.5	89.9	93.9	96.9	97.7	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	71.6	85.7	90.1	94.1	97.1	98.1	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	71.6	85.8	90.2	94.2	97.2	98.2	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	71.6	85.8	90.2	94.2	97.2	98.2	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	71.6	86.0	90.4	94.4	97.4	98.4	99.0	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	71.6	86.0	90.4	94.4	97.4	98.4	99.0	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	71.6	86.0	90.4	94.4	97.4	98.4	99.0	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 200	71.6	86.0	90.4	94.5	97.6	98.7	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	71.6	86.0	90.4	94.5	97.6	98.7	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	71.6	86.0	90.4	94.5	97.6	98.7	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
NO CEIL	42.1	49.7	52.8	55.1	56.0	56.5	56.7	56.8	56.9	56.9	57.1	57.0	57.0	57.0	57.0	57.1
GE 20000	45.5	54.0	57.4	60.2	61.3	61.8	62.0	62.2	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.5
GE 18000	45.6	54.1	57.6	60.4	61.4	61.9	62.2	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6
GE 16000	45.7	54.3	57.7	60.6	61.6	62.2	62.4	62.6	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8
GE 14000	46.4	55.2	58.7	61.0	62.7	63.2	63.5	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9
GE 12000	43.0	57.2	60.8	63.9	65.0	65.6	65.8	66.0	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3
GE 10000	42.8	59.8	63.8	67.3	68.7	69.3	69.6	69.9	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1
GE 9000	50.3	60.7	64.5	68.5	70.1	70.7	71.1	71.3	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.6
GE 8000	50.0	63.0	67.3	71.4	73.1	73.8	74.2	74.4	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8
GE 7000	52.7	64.0	68.3	72.5	74.3	75.1	75.6	75.8	76.0	76.0	76.1	76.2	76.2	76.2	76.2	76.2
GE 6000	53.4	65.0	69.5	73.8	75.8	76.6	77.0	77.3	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.7
GE 5000	54.7	67.0	71.9	76.5	78.7	79.5	80.0	80.3	80.5	80.5	80.6	80.6	80.7	80.7	80.7	80.7
GE 4500	55.9	69.0	74.1	78.9	81.1	82.1	82.5	82.8	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.3
GE 4000	57.1	70.6	75.8	80.8	83.2	84.2	84.7	85.0	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.5
GE 3500	58.3	72.2	77.7	82.9	85.4	86.4	87.0	87.4	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.8
GE 3000	59.5	74.1	79.6	85.1	87.9	89.1	89.7	90.1	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5
GE 2500	60.2	75.1	80.9	86.4	89.2	90.4	91.1	91.5	91.7	91.8	91.9	92.0	92.0	92.0	92.0	92.0
GE 2000	61.0	76.4	82.3	87.8	90.7	92.1	92.9	93.3	93.5	93.6	93.9	93.9	93.9	93.9	93.9	93.9
GE 1800	61.3	76.7	82.7	88.3	91.2	92.5	93.3	93.8	94.0	94.1	94.2	94.3	94.3	94.3	94.3	94.3
GE 1600	61.8	77.5	83.6	89.3	92.4	93.9	94.7	95.1	95.4	95.5	95.6	95.7	95.7	95.7	95.7	95.7
GE 1400	62.2	78.0	84.2	90.0	93.2	94.7	95.6	96.0	96.3	96.4	96.5	96.6	96.6	96.6	96.6	96.6
GE 1200	62.4	78.3	84.5	90.5	93.8	95.4	96.3	96.8	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.4
GE 1000	62.4	78.4	84.6	90.5	93.9	95.5	96.4	96.9	97.2	97.4	97.5	97.5	97.6	97.6	97.6	97.6
GE 800	62.5	78.5	84.7	90.7	94.2	95.8	96.7	97.3	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9
GE 700	62.5	78.6	84.8	90.8	94.4	96.0	96.9	97.5	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.2
GE 600	62.5	78.6	84.9	90.9	94.5	96.2	97.1	97.7	98.0	98.1	98.3	98.3	98.3	98.4	98.4	98.4
GE 500	62.5	78.6	85.0	91.0	94.7	96.4	97.4	98.1	98.4	98.5	98.7	98.8	98.8	98.8	98.8	98.8
GE 400	62.5	78.8	85.1	91.1	94.8	96.7	97.7	98.4	98.8	98.9	99.1	99.1	99.2	99.2	99.3	99.3
GE 300	62.5	78.8	85.1	91.1	94.9	96.8	97.8	98.5	98.9	99.1	99.4	99.4	99.5	99.5	99.6	99.6
GE 200	62.5	78.8	85.1	91.1	95.0	96.9	98.0	98.7	99.1	99.3	99.6	99.7	99.8	99.8	99.9	99.9
GE 100	62.5	78.8	85.1	91.1	95.0	96.9	98.0	98.7	99.1	99.3	99.6	99.7	99.8	99.8	99.9	100.0
GE	62.5	78.8	85.1	91.1	95.0	96.9	98.0	98.7	99.1	99.3	99.6	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS JAP NY

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS (LST): 0000-0200

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	1	GE 1	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	1	41.6	48.1	49.8	50.6	51.4	51.8	52.4	52.5	52.5	52.8	52.9	52.9	52.9	52.9	52.9	52.9
GE 20000	1	43.1	50.5	52.5	53.8	54.6	55.1	55.7	55.8	55.9	56.2	56.3	56.3	56.3	56.3	56.3	56.3
GE 18000	1	43.1	50.5	52.5	53.8	54.6	55.1	55.7	55.8	55.9	56.2	56.3	56.3	56.3	56.3	56.3	56.3
GE 16000	1	43.3	50.8	52.7	54.3	54.8	55.3	55.9	56.0	56.1	56.5	56.6	56.6	56.6	56.6	56.6	56.6
GE 14000	1	43.5	51.0	52.9	54.2	55.1	55.5	56.1	56.2	56.3	56.7	56.8	56.8	56.8	56.8	56.8	56.8
GE 12000	1	44.6	52.4	54.5	56.5	57.4	57.8	58.5	58.6	58.7	59.0	59.1	59.1	59.1	59.1	59.1	59.1
GE 10000	1	47.3	56.5	58.6	60.6	61.7	62.6	63.3	63.4	63.5	63.9	64.0	64.0	64.0	64.0	64.0	64.0
GE 9000	1	48.3	57.6	60.3	62.5	63.5	64.4	65.2	65.3	65.4	65.7	65.8	65.8	65.8	65.8	65.8	65.8
GE 8000	1	51.2	61.1	64.1	66.5	67.7	68.6	69.4	69.5	69.6	69.9	70.0	70.0	70.0	70.0	70.0	70.0
GE 7000	1	51.7	61.7	64.9	67.3	68.7	69.7	70.4	70.5	70.6	71.0	71.1	71.1	71.1	71.1	71.1	71.1
GE 6000	1	52.2	63.5	66.8	69.4	70.8	71.7	72.5	72.6	72.7	73.0	73.1	73.1	73.1	73.1	73.1	73.1
GE 5000	1	55.1	66.6	69.8	72.4	73.8	74.8	75.6	75.7	75.8	76.1	76.2	76.2	76.2	76.2	76.2	76.2
GE 4000	1	56.6	69.5	72.8	75.6	77.3	78.4	79.5	79.6	79.7	80.0	80.1	80.1	80.1	80.1	80.1	80.1
GE 3000	1	57.6	71.4	75.2	78.5	80.4	81.7	82.9	83.0	83.3	83.7	83.8	83.8	83.8	83.8	83.8	83.8
GE 2000	1	59.5	73.7	77.4	80.8	82.8	84.1	85.3	85.5	85.8	86.1	86.2	86.2	86.2	86.2	86.2	86.2
GE 1000	1	60.6	75.2	79.2	82.7	84.6	86.1	87.5	87.7	88.1	88.4	88.5	88.5	88.5	88.5	88.5	88.5
GE 500	1	61.1	76.0	80.1	83.5	85.7	87.1	88.6	88.8	89.1	89.5	89.6	89.6	89.6	89.6	89.6	89.6
GE 200	1	61.3	77.3	81.6	85.4	87.6	89.6	91.2	91.5	91.8	92.2	92.3	92.3	92.3	92.3	92.3	92.3
GE 100	1	61.4	77.4	81.7	85.6	87.8	89.6	91.4	91.7	92.0	92.4	92.5	92.5	92.5	92.5	92.5	92.5
GE 50	1	61.9	78.5	82.9	86.9	89.2	91.5	93.3	93.7	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.4
GE 20	1	62.0	78.6	83.1	87.2	89.9	92.2	94.2	94.5	94.8	95.2	95.3	95.3	95.3	95.3	95.3	95.3
GE 10	1	62.0	78.8	83.4	87.7	90.5	92.9	94.9	95.6	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3
GE 5	1	62.0	78.8	83.5	87.8	90.6	93.0	95.1	95.7	96.0	96.3	96.5	96.5	96.5	96.5	96.5	96.5
GE 2	1	62.0	78.9	83.7	88.0	90.8	93.1	95.2	95.9	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7
GE 1	1	62.0	78.9	83.7	88.0	90.9	93.2	95.4	96.1	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0
GE 0	1	62.0	79.5	83.8	88.1	91.0	93.3	95.5	96.2	96.6	96.9	97.1	97.1	97.1	97.1	97.1	97.1
GE 500	1	62.0	79.9	83.8	88.2	91.1	93.5	95.7	96.5	96.9	97.2	97.4	97.4	97.4	97.5	97.7	97.7
GE 400	1	62.0	78.9	83.8	88.3	91.4	93.9	96.0	97.1	97.5	97.8	98.1	98.1	98.1	98.2	98.4	98.4
GE 300	1	62.0	78.9	83.8	88.3	91.4	94.0	96.1	97.5	98.2	98.5	98.7	98.7	98.7	98.8	99.0	99.0
GE 200	1	62.0	78.9	83.8	88.3	91.4	94.1	96.3	98.0	98.6	99.0	99.2	99.2	99.2	99.4	99.6	99.6
GE 100	1	62.0	78.9	83.8	88.3	91.4	94.1	96.3	98.0	98.6	99.0	99.4	99.4	99.4	99.6	99.8	100.0
GE 0	1	62.0	78.9	83.8	88.3	91.4	94.1	96.3	98.0	98.6	99.0	99.4	99.4	99.4	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705287 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS (LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 1	GE 1 1/8	GE 1 1/4	GE 1 1/2	GE 1 3/4	GE 2	GE 2 1/4	GE 2 1/2	GE 2 3/4	GE 3	GE 3 1/4	GE 3 1/2	GE 3 3/4	GE 4	GE 4 1/4
NO CEIL	36.7	43.0	44.4	45.4	46.6	47.2	47.4	47.7	47.7	48.1	48.2	48.2	48.3	48.5	48.7
GE 20000	33.4	46.1	49.0	49.1	50.9	51.6	52.2	52.5	52.5	52.6	52.9	52.9	53.0	53.2	53.4
GE 18000	33.4	46.1	49.0	49.1	50.9	51.6	52.2	52.5	52.5	52.6	52.9	52.9	53.0	53.2	53.4
GE 16000	33.4	46.1	49.0	49.1	50.9	51.6	52.2	52.5	52.5	52.6	52.9	52.9	53.0	53.2	53.4
GE 14000	38.8	46.6	48.4	49.6	51.3	52.0	52.6	52.9	52.9	53.2	53.3	53.3	53.4	53.7	53.9
GE 12000	39.9	48.1	49.9	51.1	52.9	54.0	54.7	55.1	55.1	55.4	55.6	55.6	55.7	55.9	56.1
GE 10000	42.0	51.6	54.0	55.3	57.4	58.8	59.7	60.1	60.1	60.4	60.6	60.6	60.8	61.0	61.2
GE 9000	47.6	52.7	55.1	56.3	58.7	60.1	61.0	61.4	61.4	61.7	61.9	61.9	62.0	62.3	62.5
GE 8000	44.9	56.0	58.7	60.5	63.2	64.6	65.5	65.9	65.9	66.3	66.6	66.6	66.7	66.9	67.1
GE 7000	45.7	57.4	60.1	61.9	64.7	66.2	67.1	67.5	67.5	68.0	68.2	68.2	68.3	68.5	68.7
GE 6000	47.3	59.4	62.2	64.0	66.8	68.3	69.4	69.8	69.8	70.2	70.4	70.4	70.5	70.8	71.0
GE 5000	49.4	62.2	65.2	67.1	70.0	71.5	72.7	73.1	73.1	73.5	73.9	73.9	74.1	74.3	74.5
GE 4000	50.1	64.1	67.4	69.7	72.8	74.4	75.6	76.3	76.3	76.6	77.0	77.0	77.1	77.3	77.5
GE 3000	51.6	66.5	69.9	72.3	75.8	77.5	78.9	79.7	79.7	80.1	80.5	80.5	80.6	80.9	81.1
GE 2000	53.0	69.6	72.5	75.1	78.8	80.6	82.2	82.9	82.9	83.3	83.5	83.5	83.7	83.9	84.1
GE 1000	54.4	70.1	74.2	76.9	80.9	83.0	84.5	85.3	85.3	85.7	85.9	85.9	86.0	86.2	86.5
GE 2000	54.7	70.6	74.8	77.5	81.5	83.6	85.3	86.0	86.1	86.6	86.8	86.8	86.9	87.1	87.3
GE 2000	54.7	71.3	76.0	79.0	83.0	86.0	87.7	88.7	88.7	89.1	89.4	89.4	89.5	89.7	89.9
GE 1800	54.7	71.3	76.1	79.2	83.2	86.2	88.0	88.8	88.9	89.4	89.6	89.6	89.7	89.9	90.1
GE 1600	55.1	72.5	77.8	81.3	85.5	88.6	90.8	91.6	91.7	92.2	92.4	92.4	92.5	92.7	92.9
GE 1400	55.3	72.7	78.2	81.6	86.0	89.1	91.6	92.5	92.6	93.0	93.2	93.2	93.3	93.5	93.8
GE 1200	55.5	73.7	79.4	83.0	87.6	90.8	93.2	94.3	94.5	94.9	95.2	95.2	95.3	95.5	95.7
GE 1000	55.5	73.7	79.4	83.0	87.6	90.8	93.2	94.3	94.5	94.9	95.2	95.2	95.3	95.5	95.7
GE 900	55.5	73.8	79.5	83.1	87.7	90.9	93.4	94.5	94.7	95.2	95.4	95.4	95.5	95.7	95.9
GE 800	55.5	73.9	79.6	83.2	87.8	91.1	93.7	94.7	94.9	95.4	95.6	95.6	95.7	95.9	96.1
GE 700	55.5	73.9	79.6	83.2	87.8	91.1	93.7	94.7	94.9	95.4	95.6	95.6	95.7	95.9	96.1
GE 600	55.6	74.0	79.7	83.3	88.0	91.2	93.8	94.9	95.3	95.7	95.9	95.9	96.0	96.2	96.5
GE 500	55.6	74.0	79.7	83.3	88.0	91.2	93.8	94.9	95.3	95.7	95.9	95.9	96.0	96.2	96.5
GE 400	55.6	74.0	79.7	83.3	88.0	91.2	93.8	94.9	95.3	95.7	95.9	95.9	96.0	96.2	96.5
GE 300	55.6	74.0	79.7	83.3	88.0	91.2	93.8	94.9	95.3	95.7	95.9	95.9	96.0	96.2	96.5
GE 200	55.6	74.0	79.7	83.3	88.0	91.2	93.8	94.9	95.3	95.7	95.9	95.9	96.0	96.2	96.5
GE 100	55.6	74.0	79.7	83.3	88.0	91.2	93.8	94.9	95.3	95.7	95.9	95.9	96.0	96.2	96.5
GE 00	55.6	74.0	79.7	83.3	88.0	91.2	93.8	94.9	95.3	95.7	95.9	95.9	96.0	96.2	96.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 775287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS ILST: 0600-0800

CEILING IN FEET	1 10	GE 6	GE 5	GE 4	GE 3	2 1/2	VISIBILITY IN STATUTE MILES										GE 1/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
							GE 7	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0						
NO CEIL	26.9	32.8	36.6	39.6	41.4	43.1	43.4	43.8	44.0	44.4	44.5	44.5	44.5	44.5	44.6	44.6	44.7					
GE 20000	29.9	36.6	40.4	43.8	45.8	48.1	48.9	49.4	49.7	50.2	50.5	50.5	50.5	50.5	50.6	50.8	51.0					
GE 18000	29.9	36.6	40.4	43.8	45.8	48.1	48.9	49.4	49.7	50.2	50.5	50.5	50.5	50.5	50.6	50.8	51.0					
GE 16000	29.9	36.6	40.4	43.8	45.8	48.1	48.9	49.4	49.7	50.2	50.5	50.5	50.5	50.5	50.6	50.8	51.0					
GE 14000	30.6	37.5	41.4	44.9	47.0	49.2	50.1	50.5	50.9	51.4	51.7	51.7	51.7	51.7	51.8	51.9	52.2					
GE 12000	31.3	38.5	42.6	46.5	48.9	51.4	52.4	52.8	53.1	53.8	54.1	54.2	54.2	54.2	54.3	54.4	54.6					
GE 10000	33.0	41.4	45.7	49.7	52.9	55.7	57.2	57.7	58.1	58.7	59.0	59.1	59.1	59.1	59.2	59.4	59.6					
GE 9000	34.2	42.9	47.2	51.6	55.2	58.2	59.9	60.5	61.0	61.6	61.9	62.4	62.0	62.2	62.3	62.5	62.5					
GE 8000	36.0	44.4	49.4	54.1	58.0	61.3	63.2	64.0	64.4	65.1	65.4	65.5	65.5	65.6	65.7	65.9	65.9					
GE 7000	36.9	46.2	50.8	55.8	59.8	63.1	65.3	66.0	66.5	67.1	67.4	67.5	67.5	67.6	67.7	68.0	68.0					
GE 6000	37.3	46.9	51.4	56.5	60.8	64.2	66.3	67.1	67.6	68.3	68.6	68.7	68.7	68.8	68.9	69.1	69.1					
GE 5000	39.4	49.1	54.0	59.2	64.0	67.4	69.8	70.6	71.3	71.9	72.3	72.4	72.4	72.5	72.6	72.8	72.8					
GE 4500	40.2	50.1	55.1	60.4	65.6	69.2	71.8	72.8	73.5	74.3	74.7	74.6	74.6	74.9	75.1	75.3	75.3					
GE 4000	41.6	51.9	57.0	62.4	67.7	71.6	74.2	75.3	76.0	76.8	77.2	77.3	77.3	77.4	77.5	77.7	77.7					
GE 3500	43.5	54.2	59.5	65.3	71.0	75.4	78.1	79.1	79.9	80.6	81.1	81.2	81.2	81.3	81.4	81.6	81.6					
GE 3000	44.5	55.5	61.4	68.0	74.1	78.6	81.4	82.6	83.3	84.2	84.6	84.7	84.7	84.8	84.9	85.2	85.2					
GE 2500	44.8	55.9	62.0	68.6	75.1	79.9	82.8	84.0	84.8	85.7	86.1	86.2	86.2	86.3	86.5	86.7	86.7					
GE 2000	45.3	56.7	63.1	70.2	76.4	82.0	85.3	86.8	87.7	88.6	89.2	89.4	89.4	89.5	89.7	89.9	89.9					
GE 1800	45.7	57.2	63.9	71.0	77.7	82.9	86.1	87.6	88.6	89.7	90.1	90.2	90.2	90.3	90.5	90.8	90.8					
GE 1500	46.1	58.3	64.9	72.5	79.4	84.7	88.2	89.7	90.6	91.7	92.2	92.3	92.3	92.4	92.6	92.8	92.8					
GE 1200	46.2	58.5	65.3	73.0	79.9	85.5	89.0	90.5	91.5	92.6	93.0	93.1	93.1	93.2	93.4	93.7	93.7					
GE 1000	46.7	59.1	66.0	73.8	80.9	86.5	90.1	91.7	92.7	94.0	94.4	94.5	94.5	94.6	94.8	95.1	95.1					
GE 900	46.7	59.1	66.0	73.9	81.0	86.7	90.5	92.2	93.2	94.5	94.9	95.1	95.1	95.2	95.4	95.6	95.6					
GE 800	46.7	59.2	66.1	74.0	81.1	87.0	91.0	92.7	93.8	95.1	95.5	95.6	95.6	95.7	95.9	96.1	96.1					
GE 700	46.7	59.4	66.2	74.2	81.4	87.4	91.4	93.2	94.3	95.6	96.0	96.1	96.1	96.2	96.5	96.8	96.8					
GE 600	46.7	59.5	66.3	74.4	81.6	87.7	91.7	93.5	94.6	95.9	96.3	96.5	96.5	96.6	96.8	97.2	97.2					
GE 500	46.7	59.5	66.3	74.6	81.9	88.2	92.2	94.1	95.2	96.6	97.0	97.1	97.1	97.2	97.4	97.7	97.7					
GE 400	46.7	59.5	66.3	74.6	81.9	88.2	92.3	94.2	95.3	96.7	97.2	97.4	97.4	97.5	97.7	98.0	98.0					
GE 300	46.7	59.5	66.3	74.7	82.0	88.3	92.5	94.6	95.7	97.1	97.6	98.0	98.0	98.2	98.4	98.9	98.9					
GE 200	46.7	59.5	66.3	74.7	82.0	88.3	92.6	94.7	95.8	97.3	98.0	98.3	98.3	98.5	98.8	99.4	99.4					
GE 100	46.7	59.5	66.3	74.7	82.0	88.3	92.6	94.7	95.8	97.4	98.2	98.6	98.7	98.9	99.2	99.9	99.9					
GE 0	46.7	59.5	66.3	74.7	82.0	88.3	92.6	94.7	95.8	97.4	98.2	98.6	98.7	98.9	99.2	100.0	100.0					

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 0900-1100

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	1 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	29.5	36.0	38.6	41.0	41.7	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	
GE 20000	33.3	41.1	43.8	46.3	47.5	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	
GE 18000	33.5	41.3	44.0	46.6	47.7	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	
GE 16000	33.7	41.4	44.2	46.8	48.0	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	
GE 14000	34.4	42.6	45.4	48.3	49.6	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	
GE 12000	35.6	44.6	47.8	51.0	52.3	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	
GE 10000	37.8	47.6	51.1	54.3	56.6	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	
GE 9000	37.6	48.6	52.5	55.8	58.3	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	
GE 8000	39.6	50.1	54.0	57.3	60.1	60.6	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	
GE 7000	42.0	51.1	55.3	58.8	61.9	62.5	62.5	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	
GE 6000	40.9	52.2	56.3	60.0	63.2	63.8	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	
GE 5000	43.0	54.7	59.4	63.2	66.8	67.4	67.5	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	
GE 4500	43.8	55.6	60.8	64.8	68.4	69.1	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	
GE 4000	44.2	56.3	61.5	66.0	69.7	70.4	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	
GE 3500	46.2	59.7	65.4	69.9	73.5	74.4	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	
GE 3000	48.7	62.8	68.7	74.1	79.3	79.7	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	
GE 2500	49.4	64.2	70.3	76.1	80.4	82.2	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	
GE 2000	51.7	67.0	73.9	80.2	84.8	87.0	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	
GE 1800	52.6	68.0	74.7	81.3	85.9	88.1	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	
GE 1600	54.3	70.5	78.2	85.1	90.1	93.0	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	
GE 1400	54.5	71.3	78.9	86.7	91.9	94.9	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	
GE 1200	54.7	71.5	79.2	87.1	92.7	95.8	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
GE 900	54.9	72.0	79.8	87.6	93.2	96.3	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	
GE 800	55.2	72.3	80.1	88.2	93.8	97.0	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE 700	55.2	72.4	80.3	88.5	94.1	97.3	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	
GE 600	55.3	72.4	80.3	88.6	94.2	97.4	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 500	55.3	72.5	80.6	89.0	94.6	98.0	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 400	55.3	72.5	80.6	89.1	94.9	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	55.3	72.5	80.6	89.1	94.9	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	55.3	72.5	80.6	89.1	94.9	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	55.3	72.5	80.6	89.1	94.9	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE	55.3	72.5	80.6	89.1	94.9	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	31.7	36.7	38.5	39.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
GE 2000	35.7	41.6	44.0	44.8	46.0	46.2	46.7	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 1800	36.0	41.9	44.3	45.2	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 1600	36.1	42.0	44.4	45.3	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 1400	37.3	43.4	45.6	46.7	48.7	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 1200	39.9	45.9	48.7	49.8	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 1000	41.3	49.2	52.2	53.7	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 900	41.9	50.1	53.1	54.9	57.0	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 800	47.4	52.2	55.3	57.1	59.5	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 700	44.2	53.2	56.5	58.4	60.8	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 600	44.4	53.5	57.0	58.9	61.4	61.6	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 500	46.1	55.6	59.4	61.7	64.2	64.6	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 400	49.1	58.2	61.9	64.4	66.9	67.5	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 300	50.1	61.3	65.3	66.2	70.9	71.5	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 200	51.0	64.2	69.3	71.2	74.2	75.2	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 100	56.9	69.9	74.2	77.4	80.9	81.9	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 2000	59.2	73.5	78.5	81.7	85.2	86.3	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 1800	60.0	75.9	81.1	84.7	88.6	90.2	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1600	60.5	76.5	81.7	85.7	89.7	91.3	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1400	61.3	77.7	83.1	87.7	92.0	94.0	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1200	61.5	78.2	83.9	88.9	93.3	95.3	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1000	62.0	79.1	85.1	90.2	94.7	96.9	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 900	62.2	79.2	85.2	90.3	94.8	97.0	97.5	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 800	62.2	79.5	85.4	90.5	95.2	97.3	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 700	62.2	79.5	85.4	90.5	95.2	97.3	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	62.2	79.9	86.0	91.3	96.0	96.2	98.9	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	62.2	80.2	86.5	91.7	96.5	98.6	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	62.2	80.2	86.5	91.7	96.5	98.6	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	62.2	80.2	86.5	91.7	96.5	98.6	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	62.2	80.2	86.5	91.7	96.5	98.6	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	62.2	80.2	86.5	91.7	96.5	98.6	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	62.2	80.2	86.5	91.7	96.5	98.6	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(DST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
NO CEIL	29.6	44.3	46.8	47.7	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 20000	44.9	50.6	53.5	54.6	55.4	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 18000	45.1	50.9	53.7	54.8	55.6	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 16000	45.1	50.8	53.7	54.8	55.6	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 14000	45.7	51.4	54.5	55.9	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 12000	47.6	54.2	57.3	58.6	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 10000	50.3	57.4	60.9	62.6	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 9000	50.8	58.1	61.7	63.7	65.6	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 8000	52.4	60.4	64.5	67.8	70.0	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 7000	53.9	62.4	66.6	69.6	71.7	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 6000	55.1	63.8	68.0	71.0	73.1	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 5000	58.0	67.4	72.0	75.6	78.0	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 4000	59.1	69.4	74.3	78.1	80.6	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 3000	60.6	71.4	76.3	80.3	83.1	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 2500	62.2	73.1	78.2	82.7	85.7	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 2000	63.7	75.3	81.0	85.7	88.9	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 1800	64.7	77.0	82.9	87.8	91.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 1600	66.0	78.5	84.7	89.9	93.7	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1400	66.1	78.7	84.9	90.3	94.2	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1200	66.6	79.4	85.7	91.1	95.3	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1000	66.6	79.7	86.1	91.6	95.8	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 900	66.7	80.0	86.6	92.2	96.5	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	66.7	80.1	86.7	92.3	96.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	66.7	80.1	86.7	92.3	96.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 600	66.7	80.1	86.7	92.3	96.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 500	66.7	80.1	86.7	92.3	96.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 400	66.7	80.1	86.7	92.3	96.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 300	66.7	80.1	86.7	92.3	96.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 200	66.7	80.1	86.7	92.3	96.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 100	66.7	80.1	86.7	92.3	96.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86

MONTH: AUG HOURS(IST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	38.0	44.4	47.1	48.3	50.3	50.8	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 20000	44.4	52.7	55.6	57.0	59.7	60.2	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 18000	44.4	52.6	55.7	57.1	59.9	60.4	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 16000	44.4	52.8	55.7	57.1	59.9	60.4	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 14000	45.7	54.7	57.8	59.4	62.4	62.9	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 12000	47.8	56.9	60.3	62.0	65.3	65.8	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 10000	51.2	61.3	65.4	67.4	71.1	71.8	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 9000	51.9	62.3	66.3	68.5	72.3	73.0	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 8000	53.1	64.3	69.5	71.1	75.3	76.0	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 7000	54.2	65.5	69.6	72.5	76.8	77.5	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 6000	55.6	67.1	71.4	74.1	78.7	79.7	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 5000	58.2	70.4	75.1	78.1	82.7	83.7	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 4500	59.6	72.8	77.7	80.9	85.6	86.6	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 4000	60.4	73.9	79.1	82.4	87.5	88.8	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 3500	61.3	74.9	80.3	83.5	88.7	90.1	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 3000	61.9	76.1	81.8	85.2	90.4	91.8	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 2500	62.3	76.9	82.9	86.6	92.0	93.4	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 2000	62.8	77.4	83.5	87.2	92.8	94.3	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1800	63.1	78.0	84.1	87.7	93.3	94.8	95.5	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1600	63.2	78.3	84.5	88.6	94.3	95.9	96.6	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1400	63.4	78.5	84.8	88.9	94.7	96.3	97.0	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1200	63.4	78.7	85.2	89.2	95.2	97.0	97.7	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000	63.4	78.7	85.2	89.2	95.2	97.0	97.7	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	63.4	78.7	85.2	89.2	95.2	97.0	97.7	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	63.5	78.9	85.5	89.6	95.5	97.5	98.4	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	63.5	78.9	85.5	89.6	95.5	97.6	98.5	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	63.5	79.0	85.6	89.7	95.7	97.8	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	63.5	79.0	85.6	89.7	95.7	98.0	98.8	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	63.5	79.0	85.6	89.7	95.7	98.0	98.8	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	63.5	79.0	85.6	89.7	95.7	98.0	98.8	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	63.5	79.0	85.6	89.7	95.7	98.0	98.8	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	63.5	79.0	85.6	89.7	95.7	98.0	98.8	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

PERIOD OF RECORD: 77-8<sub>5</sub>  
MONTH: AUG HOURS(LST): 2100-2300

NO	CEILING IN FEET	VISIBILITY IN STATUTE MILES															
		GE 1/2	GE 3/4	GE 1	GE 1 1/4	GE 1 1/2	GE 1 3/4	GE 2	GE 2 1/2	GE 3	GE 3 1/2	GE 4	GE 4 1/2	GE 5	GE 5 1/2	GE 6	GE 6 1/2
		GE 1/2	GE 3/4	GE 1	GE 1 1/4	GE 1 1/2	GE 1 3/4	GE 2	GE 2 1/2	GE 3	GE 3 1/2	GE 4	GE 4 1/2	GE 5	GE 5 1/2	GE 6	GE 6 1/2
01	40.2	44.2	48.2	51.2	52.9	54.1	54.7	55.3	55.5	55.6	55.6	55.7	55.7	55.8	55.8	55.8	55.8
02	200.0	46.0	53.5	56.3	58.7	60.0	60.6	61.3	61.5	61.6	61.6	61.7	61.7	61.8	61.8	61.8	61.8
03	140.0	46.0	53.5	56.3	58.7	60.1	60.8	61.4	61.6	61.7	61.7	61.8	61.8	61.9	61.9	61.9	61.9
04	160.0	46.1	53.7	56.5	58.8	60.2	60.9	61.5	61.7	61.8	61.8	61.9	61.9	62.0	62.0	62.0	62.0
05	140.0	46.1	54.2	57.1	59.5	60.9	61.5	62.2	62.4	62.5	62.5	62.6	62.6	62.7	62.7	62.7	62.7
06	120.0	46.0	56.0	59.1	61.9	63.5	64.2	64.8	65.1	65.2	65.2	65.3	65.3	65.4	65.4	65.4	65.4
07	100.0	51.4	60.6	64.0	67.1	68.9	69.6	70.4	70.6	70.8	70.8	70.9	70.9	71.0	71.0	71.0	71.0
08	90.0	53.5	62.8	66.1	69.2	71.1	71.9	72.6	72.8	72.9	72.9	73.0	73.0	73.1	73.1	73.1	73.1
09	80.0	55.3	64.6	67.9	71.5	73.3	74.2	74.8	75.1	75.2	75.2	75.3	75.3	75.4	75.4	75.4	75.4
10	70.0	55.9	65.3	68.6	72.3	74.1	75.1	75.7	75.9	76.0	76.0	76.1	76.1	76.2	76.2	76.2	76.2
11	60.0	57.1	67.0	70.5	74.1	76.3	77.5	78.2	78.4	78.5	78.5	78.6	78.6	78.7	78.7	78.7	78.7
12	50.0	59.1	69.5	73.0	76.6	79.5	80.6	81.3	81.5	81.6	81.6	81.7	81.7	81.8	81.8	81.8	81.8
13	40.0	60.5	72.0	76.1	80.3	83.2	84.8	85.6	85.8	86.0	86.1	86.2	86.2	86.3	86.3	86.3	86.3
14	30.0	61.2	73.2	77.1	81.3	84.4	86.0	87.0	87.2	87.4	87.5	87.6	87.6	87.7	87.7	87.7	87.7
15	20.0	62.9	75.7	79.7	84.0	87.1	88.7	89.7	89.9	90.1	90.2	90.3	90.3	90.4	90.4	90.4	90.4
16	10.0	64.2	77.4	81.5	86.0	89.5	91.1	92.0	92.3	92.5	92.6	92.7	92.7	92.8	92.8	92.8	92.8
17	20.0	64.6	79.0	82.2	86.8	90.2	91.8	93.0	93.2	93.4	93.5	93.7	93.7	93.8	93.8	93.8	93.8
18	20.0	65.1	79.7	83.0	87.6	91.4	93.0	94.4	94.6	94.8	94.9	95.1	95.1	95.2	95.2	95.2	95.2
19	10.0	65.3	79.0	83.3	88.4	91.8	93.4	94.9	95.1	95.3	95.4	95.5	95.5	95.6	95.6	95.6	95.6
20	10.0	65.7	79.7	84.0	89.0	92.6	94.2	95.9	96.0	96.2	96.3	96.5	96.5	96.6	96.6	96.6	96.6
21	10.0	65.7	79.9	84.7	89.8	93.4	95.1	96.8	97.0	97.2	97.3	97.4	97.4	97.5	97.5	97.5	97.5
22	10.0	65.9	80.3	85.2	90.4	94.2	95.8	97.5	97.8	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4
23	00.0	66.0	80.5	85.4	90.8	94.5	96.2	98.0	98.3	98.5	98.6	98.7	98.7	98.8	98.8	98.8	98.8
24	00.0	66.1	80.6	85.5	90.9	94.6	96.3	98.1	98.4	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9
25	00.0	66.3	81.0	85.8	91.2	95.1	96.8	98.5	98.8	99.0	99.1	99.2	99.2	99.4	99.4	99.4	99.4
26	00.0	66.3	81.0	85.8	91.2	95.1	96.8	98.5	98.8	99.0	99.1	99.2	99.2	99.4	99.4	99.4	99.4
27	50.0	66.3	81.0	85.6	91.2	95.1	96.8	98.5	98.8	99.0	99.1	99.2	99.2	99.4	99.4	99.4	99.4
28	40.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6
29	30.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
30	20.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
31	10.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
32	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
33	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
34	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
35	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
36	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
37	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
38	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
39	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
40	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
41	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
42	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
43	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
44	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
45	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
46	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
47	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
48	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
49	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
50	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
51	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
52	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
53	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
54	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
55	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
56	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
57	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
58	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
59	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
60	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
61	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
62	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
63	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
64	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
65	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
66	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
67	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
68	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
69	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
70	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
71	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
72	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
73	00.0	66.3	81.0	86.0	91.4	95.3	97.0	98.7	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
74	00.0	66															

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86

MONTH: AUG

HOURS(IST):

ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL	35.7	41.8	44.1	45.6	46.8	47.3	47.6	47.7	47.8	47.9	48.0	48.0	48.0	48.0	48.1	48.1
GE 20000	39.6	46.6	49.3	51.0	52.5	53.2	53.6	53.8	53.8	54.0	54.1	54.1	54.1	54.2	54.2	54.2
GE 18000	39.6	46.7	49.4	51.1	52.7	53.4	53.8	53.9	54.0	54.1	54.2	54.2	54.2	54.3	54.3	54.4
GE 16000	39.6	46.8	49.4	51.2	52.8	53.5	53.8	54.0	54.1	54.2	54.3	54.3	54.3	54.4	54.4	54.4
GE 14000	40.3	47.7	50.4	52.3	53.9	54.6	55.0	55.2	55.2	55.4	55.5	55.5	55.5	55.6	55.6	55.6
GE 12000	41.7	49.6	52.5	54.7	56.5	57.2	57.7	57.8	57.9	58.1	58.2	58.2	58.2	58.2	58.3	58.3
GE 10000	44.4	53.2	56.5	58.8	61.1	62.0	62.5	62.7	62.8	63.0	63.1	63.1	63.1	63.1	63.2	63.2
GE 9000	45.2	54.4	57.8	60.3	62.7	63.7	64.3	64.5	64.6	64.8	64.9	64.9	64.9	64.9	65.0	65.0
GE 8000	47.0	56.8	60.4	63.2	65.9	66.9	67.6	67.8	67.9	68.1	68.1	68.2	68.2	68.2	68.3	68.3
GE 7000	47.8	57.8	61.6	64.6	67.3	68.4	69.1	69.4	69.4	69.6	69.7	69.7	69.7	69.8	69.9	69.9
GE 6000	48.9	59.2	62.9	66.0	68.9	70.1	70.8	71.0	71.1	71.3	71.4	71.4	71.5	71.5	71.5	71.6
GE 5000	51.0	62.0	66.0	69.2	72.4	73.6	74.4	74.6	74.7	74.9	75.0	75.0	75.1	75.1	75.1	75.2
GE 4500	52.2	64.0	68.3	71.6	75.1	76.5	77.3	77.6	77.8	78.0	78.1	78.1	78.1	78.2	78.2	78.2
GE 4000	53.5	65.7	70.2	73.9	77.4	78.9	79.9	80.2	80.4	80.6	80.7	80.7	80.7	80.8	80.8	80.8
GE 3500	55.2	68.0	72.6	76.5	80.2	81.9	82.8	83.2	83.3	83.6	83.7	83.7	83.7	83.8	83.8	83.8
GE 3000	56.9	70.3	75.3	79.5	83.5	85.3	86.3	86.6	86.8	87.0	87.1	87.2	87.2	87.2	87.3	87.3
GE 2500	57.5	71.5	76.7	81.1	85.2	87.1	88.2	88.5	88.8	89.0	89.1	89.1	89.1	89.2	89.2	89.2
GE 2000	58.4	72.8	78.4	83.1	87.4	89.6	90.8	91.3	91.5	91.8	91.9	91.9	91.9	92.0	92.0	92.0
GE 1800	58.7	73.3	78.8	83.7	88.0	90.2	91.4	91.9	92.1	92.4	92.5	92.5	92.6	92.6	92.7	92.7
GE 1500	59.3	74.4	80.1	85.3	89.8	92.3	93.7	94.2	94.4	94.7	94.8	94.8	94.8	94.9	94.9	94.9
GE 1200	59.4	74.7	80.6	86.0	90.6	93.2	94.6	95.1	95.4	95.7	95.8	95.8	95.8	95.9	95.9	95.9
GE 1000	59.6	75.2	81.3	86.7	91.5	94.1	95.7	96.3	96.5	96.9	97.0	97.0	97.0	97.0	97.1	97.1
GE 900	59.7	75.3	81.4	86.9	91.7	94.3	95.9	96.5	96.7	97.1	97.2	97.2	97.3	97.3	97.3	97.3
GE 800	59.7	75.4	81.5	87.0	91.9	94.6	96.2	96.8	97.1	97.4	97.5	97.5	97.6	97.6	97.7	97.7
GE 700	59.8	75.5	81.6	87.2	92.1	94.9	96.5	97.2	97.5	97.8	97.9	97.9	98.0	98.0	98.1	98.1
GE 600	59.8	75.6	81.7	87.4	92.3	95.1	96.7	97.4	97.7	98.0	98.1	98.1	98.2	98.2	98.3	98.3
GE 500	59.8	75.6	81.9	87.6	92.5	95.3	97.0	97.7	98.0	98.4	98.5	98.5	98.5	98.6	98.7	98.7
GE 400	59.8	75.6	81.9	87.6	92.7	95.5	97.2	98.1	98.4	98.7	98.9	98.9	98.9	99.0	99.1	99.1
GE 300	59.8	75.6	81.9	87.6	92.7	95.5	97.3	98.2	98.6	98.9	99.1	99.1	99.2	99.2	99.3	99.4
GE 200	59.8	75.6	81.9	87.6	92.7	95.6	97.4	98.4	98.8	99.2	99.4	99.4	99.5	99.5	99.6	99.7
GE 100	59.8	75.6	81.9	87.6	92.7	95.6	97.4	98.4	98.8	99.3	99.5	99.5	99.6	99.7	99.8	99.9
GE 0	59.8	75.6	81.9	87.6	92.7	95.6	97.4	98.4	98.8	99.3	99.5	99.5	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	41.4	47.2	48.9	49.3	49.8	50.6	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.3
GE 20000	43.8	50.3	52.0	52.4	53.1	53.9	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.7	55.0
GE 18000	43.8	50.3	52.0	52.4	53.1	53.9	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.7	55.0
GE 16000	43.8	50.3	52.0	52.4	53.1	53.9	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.7	55.0
GE 14000	44.1	50.7	52.3	52.8	53.4	54.2	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.0	55.3
GE 12000	44.9	51.6	53.2	53.7	54.3	55.1	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.9	56.2
GE 10000	47.4	54.4	56.1	56.7	57.3	58.1	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.9	59.2
GE 9000	49.8	56.0	57.7	58.2	58.9	59.7	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.4	60.8
GE 8000	50.1	57.7	59.4	60.0	60.7	61.4	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.2	62.6
GE 7000	51.9	59.4	61.2	61.8	62.4	63.2	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.4
GE 6000	52.9	60.4	62.2	62.8	63.6	64.6	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.4	65.8
GE 5000	55.1	62.8	64.8	65.4	66.2	67.2	67.8	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.2	68.6
GE 4500	56.7	65.3	67.6	68.2	69.2	70.2	70.8	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.2	71.6
GE 4000	59.0	67.3	69.6	70.3	71.4	72.4	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.4	73.8
GE 3500	60.8	71.0	73.7	74.4	75.7	76.8	77.3	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.8	78.1
GE 3000	63.6	75.4	78.8	80.2	81.9	83.2	83.8	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.2	84.6
GE 2500	64.1	76.7	80.7	82.2	83.9	85.2	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.2	86.6
GE 2000	65.1	79.1	83.2	85.0	86.8	88.2	88.8	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.3	89.7
GE 1800	65.3	79.4	83.7	85.4	87.2	88.7	89.2	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.8	90.1
GE 1500	65.8	80.3	85.2	87.0	88.9	90.7	91.3	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.9	92.2
GE 1200	66.2	80.9	85.9	87.8	89.8	91.8	92.4	92.7	92.7	92.8	92.8	92.8	92.8	92.8	93.0	93.3
GE 1000	66.4	81.1	86.2	88.1	90.3	92.3	93.1	93.4	93.6	93.7	93.7	93.7	93.7	93.7	93.9	94.2
GE 900	66.7	81.3	86.4	88.3	90.6	92.6	93.3	93.7	93.8	93.9	93.9	93.9	93.9	93.9	94.1	94.4
GE 800	66.8	81.6	86.8	88.7	90.9	92.9	93.7	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.4	94.8
GE 700	67.0	81.9	87.1	89.0	91.3	93.3	94.2	94.6	94.7	94.8	94.8	94.8	94.8	94.8	95.0	95.3
GE 600	67.0	81.9	87.2	89.6	92.1	94.3	95.2	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.4	96.8
GE 500	67.0	81.9	87.3	90.1	92.8	95.0	95.9	96.7	96.8	96.9	96.9	96.9	96.9	96.9	97.1	97.4
GE 400	67.0	82.0	87.4	90.2	92.9	95.2	96.1	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.4	97.8
GE 300	67.0	82.0	87.4	90.2	92.9	95.2	96.1	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.4	97.8
GE 200	67.0	82.0	87.4	90.2	92.9	95.2	96.2	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.3	98.6
GE 100	67.0	82.0	87.4	90.2	92.9	95.2	96.2	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.3	98.6
GE 0	67.0	82.0	87.4	90.2	92.9	95.2	96.2	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.3	98.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	36.2	44.3	46.4	47.0	47.6	48.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.1	49.1
GE 20000	39.7	47.9	50.0	50.6	51.3	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9
GE 18000	39.7	47.9	50.0	50.6	51.3	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9
GE 16000	39.7	47.9	50.0	50.6	51.3	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9
GE 14000	40.0	48.2	50.3	50.9	51.7	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.2	53.2
GE 12000	40.4	48.8	51.0	51.6	52.3	53.2	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	54.0	54.0
GE 10000	42.2	51.1	53.3	54.2	55.0	55.9	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.7	56.7
GE 9000	43.4	52.6	55.0	56.1	57.0	57.9	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.7	58.7
GE 8000	44.8	53.9	56.2	57.4	58.3	59.2	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8	60.0	60.0
GE 7000	45.9	55.0	57.3	58.6	59.4	60.3	60.8	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.2	61.2
GE 6000	49.6	57.8	60.1	61.3	62.2	63.1	63.6	63.7	63.7	63.7	63.8	63.8	63.8	63.8	64.0	64.0
GE 5000	50.7	60.3	62.7	64.1	65.1	66.1	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8	67.0	67.0
GE 4500	52.3	62.9	65.4	67.0	68.1	69.1	69.7	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.3	70.3
GE 4000	53.0	64.4	67.0	68.8	70.0	71.0	71.6	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.2	72.2
GE 3500	54.7	67.2	70.2	72.6	73.9	74.9	75.6	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.2	76.2
GE 3000	57.9	72.0	75.3	78.0	80.0	81.1	81.8	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.6	82.6
GE 2500	59.7	72.8	76.4	79.2	81.3	82.4	83.3	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.2	84.2
GE 2000	60.0	75.2	79.6	82.8	85.0	86.2	87.2	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.3	88.3
GE 1800	60.7	75.9	80.2	83.4	85.7	86.9	87.9	88.6	88.7	88.8	88.8	88.8	88.8	88.8	89.0	89.0
GE 1500	61.8	77.6	82.0	85.3	87.9	89.0	90.1	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.2	91.2
GE 1200	61.9	77.8	82.4	86.0	88.4	89.8	90.9	91.7	91.8	91.9	91.9	91.9	91.9	91.9	92.1	92.1
GE 1000	61.9	77.8	82.6	86.1	88.7	90.1	91.2	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.6	92.6
GE 900	62.0	78.2	83.3	86.9	89.6	91.0	92.1	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.4	93.4
GE 800	62.1	78.3	83.4	87.1	89.8	91.3	92.4	93.4	93.6	93.7	93.7	93.7	93.7	93.7	93.9	93.9
GE 700	62.1	78.4	83.9	87.6	90.3	91.9	93.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.4	94.4
GE 600	62.1	78.4	83.9	87.8	90.7	92.2	93.3	94.4	94.6	94.7	94.7	94.7	94.7	94.7	95.0	95.0
GE 500	62.1	78.6	84.2	88.7	92.0	93.6	94.7	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.6	96.6
GE 400	62.2	78.8	84.4	88.9	92.4	94.2	95.3	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.4	97.4
GE 300	62.2	78.8	84.4	88.9	92.4	94.3	95.4	97.0	97.3	97.6	97.6	97.6	97.6	97.6	98.0	98.0
GE 200	62.3	79.9	84.6	89.0	92.6	94.4	95.6	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.6	98.6
GE 100	62.3	78.9	84.6	89.0	92.6	94.4	95.6	97.7	98.0	98.2	98.2	98.2	98.2	98.2	99.0	99.0
GE n	62.3	78.9	84.6	89.0	92.6	94.4	95.6	97.7	98.0	98.2	98.2	98.2	98.2	98.2	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86

MONTH: SEP HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	11	12	13	14
NO CEIL	29.3	36.3	38.6	40.2	41.4	43.1	43.8	44.3	44.4	44.6	44.7	44.7	44.7	44.7	44.7	44.8	45.2
GE 20000	31.9	39.3	41.8	43.8	45.1	47.1	47.8	48.7	48.8	48.9	49.1	49.1	49.1	49.1	49.1	49.2	49.7
GE 18000	32.0	39.4	41.9	43.9	45.2	47.2	47.9	48.8	48.9	49.0	49.2	49.2	49.2	49.2	49.2	49.3	49.8
GE 16000	32.1	39.6	42.0	44.0	45.3	47.3	48.0	48.9	49.0	49.1	49.3	49.3	49.3	49.3	49.3	49.4	49.9
GE 14000	32.4	40.0	42.6	44.6	45.9	47.9	48.6	49.4	49.6	49.7	49.9	49.9	49.9	49.9	49.9	50.0	50.4
GE 12000	33.6	41.3	44.0	46.1	47.4	49.4	50.1	51.0	51.1	51.2	51.4	51.4	51.4	51.4	51.4	51.6	52.0
GE 10000	34.8	43.1	46.0	48.2	49.7	51.7	52.3	53.2	53.3	53.4	53.7	53.7	53.7	53.7	53.7	53.8	54.2
GE 9000	35.2	44.1	47.2	49.4	50.9	53.0	53.7	54.6	54.7	54.8	55.0	55.0	55.0	55.0	55.0	55.1	55.6
GE 8000	35.9	45.1	48.3	50.9	52.4	54.6	55.2	56.1	56.2	56.3	56.6	56.6	56.6	56.6	56.6	56.7	57.1
GE 7000	36.7	46.3	50.0	52.7	54.3	56.4	57.1	58.0	58.1	58.2	58.4	58.4	58.4	58.4	58.4	58.6	59.0
GE 6000	37.8	47.8	51.4	54.7	56.7	58.9	59.6	60.4	60.6	60.7	60.9	60.9	60.9	60.9	60.9	61.0	61.4
GE 5000	40.7	51.1	55.1	58.3	60.6	62.8	63.4	64.3	64.4	64.6	64.8	64.8	64.8	64.8	64.8	64.9	65.3
GE 4500	42.0	52.8	56.9	60.2	62.8	65.1	65.8	66.7	66.8	67.1	67.3	67.3	67.3	67.3	67.3	67.4	67.9
GE 4000	43.2	54.4	58.6	62.1	64.8	67.1	68.0	68.9	69.0	69.3	69.6	69.6	69.6	69.6	69.6	69.7	70.1
GE 3500	45.4	57.6	62.3	66.4	69.3	71.8	72.7	73.7	73.8	74.2	74.4	74.4	74.4	74.4	74.4	74.6	75.0
GE 3000	47.0	59.6	64.7	69.4	72.3	75.1	76.1	77.1	77.2	77.7	77.9	77.9	77.9	77.9	77.9	78.0	78.4
GE 2500	48.7	61.7	67.1	72.1	75.2	78.1	79.3	80.3	80.4	81.0	81.2	81.2	81.2	81.2	81.2	81.3	81.8
GE 2000	49.7	63.7	69.4	74.9	78.1	81.0	82.6	83.8	83.9	84.4	84.7	84.7	84.7	84.7	84.7	84.8	85.2
GE 1800	50.1	64.3	70.1	75.6	78.9	81.9	83.4	84.7	84.8	85.4	85.7	85.7	85.7	85.7	85.7	85.8	86.2
GE 1600	51.0	65.6	71.4	76.9	80.6	84.0	85.7	87.0	87.1	87.8	88.0	88.0	88.0	88.0	88.0	88.1	88.6
GE 1400	51.2	66.4	72.4	78.1	82.0	85.6	87.2	88.6	88.8	89.4	89.7	89.7	89.7	89.7	89.7	89.8	90.2
GE 1000	51.6	66.9	73.0	78.9	82.9	86.4	88.3	89.8	90.0	90.7	90.9	90.9	90.9	90.9	90.9	91.0	91.4
GE 900	51.6	66.9	73.1	79.0	83.0	86.7	88.7	90.1	90.3	91.0	91.2	91.2	91.2	91.2	91.2	91.3	91.6
GE 800	51.7	67.0	73.4	79.4	83.6	87.4	89.4	91.0	91.2	92.0	92.2	92.2	92.2	92.2	92.2	92.3	92.8
GE 700	51.7	67.1	73.6	79.7	83.9	87.9	90.1	91.8	92.0	92.6	93.0	93.0	93.0	93.0	93.0	93.1	93.6
GE 600	51.7	67.2	73.7	79.8	84.4	88.7	91.0	92.8	93.0	93.8	94.0	94.0	94.0	94.0	94.0	94.1	94.6
GE 500	51.7	67.2	73.8	80.6	85.7	90.3	92.9	94.9	95.2	96.0	96.4	96.4	96.4	96.4	96.4	96.6	97.1
GE 400	51.7	67.2	73.8	80.7	85.9	90.6	93.3	95.3	95.7	96.6	97.0	97.0	97.0	97.0	97.0	97.1	97.7
GE 300	51.7	67.2	73.8	80.8	86.0	90.7	93.4	95.6	96.0	96.9	97.3	97.3	97.3	97.3	97.3	97.4	98.0
GE 200	51.7	67.2	73.8	80.8	86.0	90.8	93.7	95.9	96.4	97.3	97.8	97.9	97.9	97.9	97.9	98.0	98.6
GE 100	51.7	67.2	73.8	80.8	86.0	90.8	93.7	95.9	96.4	97.3	97.9	98.1	98.3	98.3	98.3	98.7	99.9
GE 0	51.7	67.2	73.8	80.8	86.0	90.8	93.7	95.9	96.4	97.3	97.9	98.1	98.3	98.3	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEIL	31.9	37.9	40.2	41.1	42.0	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 20000	34.0	40.6	42.9	44.2	45.3	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 18000	34.0	40.6	42.9	44.2	45.3	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 16000	34.0	40.6	42.9	44.2	45.3	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 14000	35.1	41.8	44.1	45.6	46.7	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 12000	36.4	43.4	45.9	47.4	48.6	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 10000	39.4	46.6	49.7	51.2	52.3	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 9000	39.6	48.3	51.2	52.9	54.0	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 8000	40.6	50.2	53.6	55.3	56.4	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 7000	42.1	51.9	55.2	57.0	58.1	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 6000	43.4	53.7	57.2	59.6	60.8	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 5000	45.7	56.1	59.9	62.2	64.1	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 4500	46.9	57.6	61.3	63.9	65.8	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 4000	48.0	59.3	63.2	65.8	67.7	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 3500	49.7	61.1	65.0	67.6	69.7	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 3000	52.4	65.0	69.4	72.4	74.8	75.7	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 2500	54.9	68.1	72.7	75.8	78.7	79.7	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 2000	56.4	70.6	75.4	78.7	81.7	82.9	83.3	83.4	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 1800	57.4	71.7	76.6	79.8	82.8	84.0	84.4	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 1600	59.4	74.1	79.4	82.7	86.0	87.3	87.8	87.9	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 1400	59.9	75.6	81.2	84.7	88.2	89.7	90.1	90.2	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1200	60.3	76.2	82.1	85.8	89.6	91.2	91.7	91.8	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 1000	60.3	76.7	82.7	86.4	90.4	92.1	92.6	93.0	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 900	60.4	77.0	83.2	87.0	91.4	93.1	94.0	94.3	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 800	60.6	77.2	83.6	87.3	91.9	93.6	94.4	94.8	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 700	60.6	77.2	83.6	87.4	92.4	94.1	95.0	95.3	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 600	60.7	77.6	84.0	88.1	93.4	95.6	96.6	96.9	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 500	60.7	77.6	84.0	88.1	93.4	95.6	96.6	96.9	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 400	60.7	77.6	84.0	88.1	93.4	95.6	96.6	96.9	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 300	60.7	77.6	84.0	88.1	93.4	95.6	96.6	96.9	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 200	60.7	77.6	84.0	88.1	93.4	95.6	96.6	96.9	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 100	60.7	77.6	84.0	88.1	93.4	95.6	96.6	96.9	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE	60.7	77.6	84.0	88.1	93.4	95.6	96.6	96.9	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET		GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL		31.0	37.2	38.6	39.1	39.4	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 20000		33.9	41.3	42.6	43.6	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 18000		33.9	41.3	42.6	43.6	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 16000		33.9	41.3	42.6	43.6	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 14000		34.9	42.3	43.6	44.6	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 12000		35.3	43.4	45.3	46.3	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 10000		37.4	47.0	49.2	50.2	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 9000		37.9	47.8	50.0	51.0	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 8000		39.2	49.4	51.7	52.7	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 7000		40.9	51.2	53.4	54.6	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 6000		41.8	52.4	54.7	55.9	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 5000		43.9	55.0	57.3	58.9	59.8	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 4000		45.2	57.1	59.4	61.1	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 3000		47.9	60.0	62.6	64.3	65.2	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 2000		51.4	64.3	67.2	69.4	70.6	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 1000		56.4	70.3	73.6	76.2	77.6	77.9	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 2000		60.6	74.9	78.9	81.6	82.9	83.2	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 1800		62.2	77.7	82.1	84.8	86.6	87.2	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 1600		63.3	78.2	82.8	85.6	87.3	88.0	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 1400		64.9	81.0	86.1	89.1	91.1	91.9	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1200		65.7	82.3	87.7	90.7	92.7	93.4	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1000		66.1	83.1	88.6	91.6	93.7	94.4	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 900		66.2	83.3	88.9	91.8	93.9	94.7	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 800		66.4	83.6	89.2	92.2	94.4	95.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 700		66.7	83.9	89.6	92.7	94.9	95.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 600		66.7	83.9	89.8	93.0	95.6	96.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 500		66.7	84.0	90.2	93.7	96.3	97.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 400		66.7	84.0	90.2	94.1	96.9	97.9	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300		66.7	84.0	90.3	94.1	96.9	97.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200		66.7	84.0	90.3	94.1	96.9	97.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		66.7	84.0	90.3	94.1	96.9	97.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		66.7	84.0	90.3	94.1	96.9	97.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS TAP NY

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0	
NO CEIL	35.4	39.9	41.3	43.1	43.3	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	
GE 20000	39.6	44.6	46.3	48.2	48.9	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	
GE 18000	40.0	45.1	46.9	48.8	49.4	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	
GE 16000	40.3	45.4	47.2	49.1	49.8	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	
GE 14000	41.3	46.6	48.4	50.4	51.1	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	
GE 12000	42.8	48.3	50.4	52.7	53.4	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	
GE 10000	45.7	52.3	54.6	56.9	57.7	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	
GE 9000	46.3	53.1	55.3	57.7	58.4	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	
GE 8000	47.6	56.8	59.1	61.7	62.4	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	
GE 7000	50.2	57.7	60.1	62.8	63.7	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	
GE 6000	51.3	58.9	61.4	64.1	65.0	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	
GE 5000	54.7	62.9	65.4	68.2	69.2	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	
GE 4500	56.9	66.0	68.6	71.3	72.4	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	
GE 4000	58.6	68.2	71.0	74.0	75.3	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	
GE 3500	61.0	71.1	74.2	78.3	79.4	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	
GE 3000	64.3	75.0	78.7	83.3	84.6	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	
GE 2500	66.6	77.9	81.7	86.6	87.8	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	
GE 2000	68.3	80.4	84.6	89.8	91.2	92.0	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	
GE 1800	68.7	80.9	85.0	90.2	91.7	92.4	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	
GE 1600	69.3	82.2	86.3	91.6	93.3	94.1	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	
GE 1400	69.8	83.0	87.3	92.8	94.3	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
GE 1200	69.8	83.2	87.6	93.0	94.7	95.7	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	
GE 1000	69.8	83.2	87.6	93.0	94.7	95.7	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	
GE 900	70.0	83.4	87.9	93.3	95.0	96.1	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	
GE 800	70.0	83.7	88.2	93.8	95.4	96.6	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	
GE 700	70.0	83.8	88.9	94.0	96.4	97.7	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE 600	70.0	83.8	88.9	94.0	96.4	97.7	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE 500	70.0	83.9	89.3	95.1	97.1	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 400	70.1	84.0	89.4	95.2	97.2	98.4	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 300	70.1	84.0	89.4	95.2	97.2	98.4	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 200	70.1	84.0	89.4	95.2	97.2	98.4	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 100	70.1	84.0	89.4	95.2	97.2	98.4	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 0	70.1	84.0	89.4	95.2	97.2	98.4	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAF NY

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(EST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
NO CEIL	35.6	44.1	45.4	45.9	47.3	47.4	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 20000	43.3	48.6	49.9	50.9	52.6	52.7	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 18000	43.3	48.9	50.2	51.0	52.7	52.8	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 16000	43.6	49.1	50.3	51.3	53.0	53.1	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 14000	44.9	50.7	52.0	53.0	54.7	54.8	55.0	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 12000	46.1	52.2	53.6	54.8	56.4	56.6	56.8	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 10000	49.0	55.3	56.8	58.0	59.7	59.8	60.0	60.1	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 9000	50.0	56.6	58.0	59.2	60.9	61.0	61.2	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 8000	51.1	58.4	61.4	63.2	65.0	65.1	65.3	65.4	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 7000	53.4	61.0	62.6	64.0	65.8	66.1	66.3	66.6	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 6000	54.6	62.2	63.8	65.3	67.1	67.4	67.7	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 5000	57.1	65.2	66.8	68.3	70.2	70.6	70.9	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 4000	59.2	67.7	69.3	71.0	73.0	73.3	73.8	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 3000	60.4	69.9	71.8	73.4	75.6	75.9	76.3	76.6	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 2000	63.9	73.9	75.8	77.7	80.0	80.6	81.2	81.4	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 1000	66.6	78.4	80.6	82.6	85.2	85.6	86.4	86.7	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 20000	67.8	80.4	82.6	84.8	87.4	88.1	88.8	89.0	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 18000	67.3	81.6	83.8	86.1	89.6	90.4	91.2	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 16000	68.6	82.1	84.4	86.8	90.2	91.1	91.9	92.1	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 14000	68.7	82.4	85.0	87.3	90.9	91.8	92.6	92.8	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 12000	69.9	82.9	85.6	88.2	91.8	92.7	93.4	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 10000	69.6	83.8	86.4	89.1	92.8	93.8	94.7	95.0	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4
GE 9000	69.6	83.8	86.4	89.1	92.8	93.8	94.7	95.0	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4
GE 8000	69.6	83.8	86.4	89.1	92.8	93.8	94.7	95.0	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4
GE 7000	69.6	84.0	86.7	89.4	93.1	94.3	95.8	96.1	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6
GE 6000	69.6	84.0	86.8	89.6	93.4	94.8	96.4	96.9	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3
GE 5000	69.6	84.3	87.3	90.3	94.7	96.1	98.1	98.7	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 4000	69.6	84.3	87.3	90.3	94.8	96.4	98.4	99.1	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	69.6	84.3	87.3	90.3	94.8	96.4	98.4	99.1	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	69.6	84.3	87.3	90.4	94.9	96.6	98.6	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	69.6	84.3	87.3	90.4	94.9	96.6	98.6	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 0	69.6	84.3	87.3	90.4	94.9	96.6	98.6	99.2	99.3	99.6	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
NO CEIL	42.0	47.0	48.0	49.0	50.4	51.0	51.9	52.1	52.1	52.1	57.1	52.1	52.1	52.1	52.2	52.2
GE 20000	45.7	50.7	51.7	52.8	53.9	54.4	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.8
GE 18000	45.3	50.7	51.7	52.8	53.9	54.4	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.8
GE 16000	45.4	50.8	51.9	52.9	54.0	54.6	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.8	55.9	55.9
GE 14000	45.7	51.1	52.1	53.2	54.3	54.9	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.2	56.2
GE 12000	47.7	52.8	53.8	54.9	56.0	56.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.9	58.0	58.0
GE 10000	49.9	55.9	56.9	58.0	59.1	59.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.1	61.1
GE 9000	51.1	57.1	58.1	59.2	60.3	60.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.3	62.3
GE 8000	53.3	59.7	60.7	61.8	62.9	63.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.9	64.9
GE 7000	54.9	61.3	62.3	63.4	64.5	65.0	66.0	66.6	66.6	66.6	66.6	66.6	66.6	66.9	67.0	67.0
GE 6000	56.2	61.8	63.0	64.3	65.4	66.0	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.4	67.4
GE 5000	59.4	65.7	67.0	68.3	69.4	70.1	71.2	71.4	71.4	71.4	71.4	71.6	71.6	71.7	71.8	71.8
GE 4000	65.1	69.6	70.1	71.4	72.8	73.4	74.7	74.9	74.9	74.9	74.9	75.0	75.0	75.1	75.2	75.2
GE 3000	62.6	71.4	73.2	74.6	75.9	76.7	78.0	78.2	78.2	78.2	78.2	78.3	78.3	78.4	78.6	78.6
GE 2500	64.0	74.5	76.1	77.7	79.2	80.3	81.7	81.9	81.9	81.9	81.9	82.0	82.0	82.1	82.2	82.2
GE 2000	65.9	77.6	80.3	82.0	83.8	85.3	86.9	87.1	87.1	87.1	87.1	87.2	87.2	87.3	87.4	87.4
GE 1500	67.2	79.4	82.2	84.2	86.1	87.7	89.2	89.4	89.4	89.4	89.4	89.6	89.6	89.7	89.8	89.8
GE 1000	67.4	80.7	83.8	85.9	88.0	89.6	91.1	91.3	91.3	91.3	91.3	91.4	91.4	91.6	91.7	91.7
GE 800	67.7	81.0	84.1	86.2	88.3	89.9	91.4	91.7	91.7	91.7	91.7	91.8	91.8	91.9	92.0	92.0
GE 600	67.8	81.3	84.5	87.1	89.4	91.1	92.9	93.0	93.0	93.0	93.0	93.1	93.1	93.2	93.3	93.3
GE 400	68.2	81.9	85.6	87.9	90.2	91.9	93.7	93.9	93.9	93.9	93.9	94.0	94.0	94.1	94.2	94.2
GE 300	68.6	82.4	86.1	88.4	90.4	92.4	94.3	94.8	94.8	94.8	94.8	94.9	94.9	95.0	95.1	95.1
GE 200	68.8	82.4	86.1	88.4	90.4	92.4	94.3	94.8	94.8	94.8	94.8	94.9	94.9	95.0	95.1	95.1
GE 100	68.9	82.4	86.2	88.6	90.9	92.6	94.4	94.9	94.9	94.9	94.9	95.0	95.0	95.1	95.2	95.2
GE 50	68.9	82.4	86.7	89.0	91.3	93.1	95.0	95.4	95.4	95.4	95.4	95.6	95.6	95.7	95.8	95.8
GE 20	69.0	83.2	87.0	89.6	92.1	94.0	96.1	96.9	96.9	96.9	96.9	97.0	97.0	97.1	97.2	97.2
GE 10	69.1	83.4	87.4	90.3	93.0	94.9	97.0	97.9	98.0	98.0	98.0	98.3	98.3	98.4	98.6	98.6
GE 5	69.1	83.6	87.6	90.6	93.2	95.1	97.3	98.2	98.3	98.3	98.3	98.7	98.7	98.8	98.9	98.9
GE 2	69.1	83.6	87.6	90.6	93.2	95.1	97.4	98.4	98.6	98.6	98.6	99.0	99.0	99.1	99.2	99.2
GE 1	69.1	83.6	87.6	90.6	93.2	95.1	97.4	98.4	98.6	98.6	98.6	99.2	99.2	99.3	99.4	99.4
GE 0	69.1	83.6	87.6	90.6	93.2	95.1	97.4	98.4	98.6	98.6	98.6	99.7	99.7	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-84  
MONTH: SEP HOURS(IST): ALL

CEILING IN FEET	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16	GE 17	GE 18	GE 19	GE 20
NO CLIL	36.0	41.6	43.5	44.4	45.2	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.4		
GE 20000	32.9	45.4	47.2	48.3	49.3	49.9	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.6	50.7	
GE 18000	39.0	45.5	47.3	48.4	49.4	50.0	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.8	
GE 16000	39.1	45.6	47.4	48.5	49.5	50.2	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.8	50.9	
GE 14000	39.8	46.4	48.2	49.4	50.3	51.0	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.7	51.8
GE 12000	40.8	47.7	49.7	50.9	51.9	52.6	52.9	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.4	
GE 10000	41.1	50.8	52.8	54.2	55.2	55.8	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.6	56.7	
GE 9000	44.1	52.0	54.1	55.5	56.5	57.2	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.9	58.0	
GE 8000	45.8	54.2	56.4	57.9	58.9	59.6	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.4	
GE 7000	47.0	55.5	57.8	59.4	60.5	61.2	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	62.0	62.1	
GE 6000	48.2	56.9	59.2	61.0	62.2	62.9	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.7	63.8	
GE 5000	50.8	59.4	62.4	64.2	65.6	66.4	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.3	67.4	
GE 4000	52.4	62.2	64.8	66.8	68.3	69.1	69.6	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.1	70.2	
GE 3000	54.0	64.4	67.1	69.2	70.7	71.6	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.6	72.7	
GE 2000	56.4	67.5	70.6	73.0	74.7	75.7	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.8	76.9	
GE 1000	59.3	71.7	75.2	78.0	80.0	81.2	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.4	82.5	
GE 2000	61.1	74.0	77.8	80.8	82.9	84.1	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.4	85.5	
GE 2000	62.3	76.1	80.2	83.5	85.9	87.2	88.1	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.7	88.8	
GE 1800	62.7	76.7	80.9	84.1	86.5	87.9	88.7	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.5	
GE 1600	62.8	78.1	82.5	85.9	88.5	90.0	90.9	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.6	91.7	
GE 1400	64.0	78.8	83.5	87.0	90.7	91.3	92.2	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0	93.1	
GE 1200	64.3	79.3	84.1	87.6	90.4	92.1	93.1	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.0	94.1	
GE 1000	64.3	79.5	84.3	87.9	90.7	92.4	93.4	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.3	94.4	
GE 900	64.4	79.7	84.6	88.2	91.1	92.8	94.0	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.8	94.9	
GE 800	64.6	79.9	84.9	88.6	91.5	93.3	94.5	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.5	95.6	
GE 700	64.6	80.0	85.1	88.9	92.0	94.0	95.3	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.5	96.6	
GE 600	64.6	80.1	85.4	89.6	93.1	95.1	96.6	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.9	98.1	
GE 500	64.6	80.2	85.5	89.8	93.4	95.5	97.0	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.4	98.6	
GE 400	64.6	80.2	85.5	89.8	93.5	95.6	97.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.9	99.0	
GE 300	64.6	80.2	85.6	89.9	93.5	95.7	97.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.3	99.4	
GE 200	64.6	80.2	85.6	89.9	93.5	95.7	97.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.3	99.4	
GE 100	64.6	80.2	85.6	89.9	93.5	95.7	97.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.3	99.4	
GE 0	64.6	80.2	85.6	89.9	93.5	95.7	97.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.3	99.4	

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GF 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1/2	GE 1/4	GE 1/8	GE 1/16	GE 1/32	GE 1/64	GE 1/128	GE 1/256	GE 1/512
NO CEIL	35.2	38.5	39.0	39.2	40.1	40.3	40.6	41.1	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.6
GE 20000	36.7	40.0	40.5	40.6	41.8	42.0	42.4	42.8	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.3
GE 18000	36.7	40.0	40.5	40.8	41.8	42.0	42.4	42.8	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.3
GE 16000	36.8	40.1	40.6	40.9	41.9	42.2	42.5	42.9	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.4
GE 14000	37.6	41.0	41.5	41.7	42.8	43.0	43.3	43.6	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.3
GE 12000	38.2	41.5	42.0	42.3	43.3	43.5	43.9	44.3	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.8
GE 10000	40.6	44.1	44.6	44.8	45.9	46.1	46.5	47.0	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.5
GE 9000	41.7	45.3	45.8	46.0	47.1	47.3	47.7	48.3	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.8
GE 8000	42.3	47.5	48.2	48.5	49.6	49.8	50.2	50.8	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.3
GE 7000	45.2	49.4	50.0	50.3	51.4	51.6	52.0	52.6	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.1
GE 6000	46.8	51.0	51.7	52.0	53.1	53.3	53.8	54.3	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.8
GE 5000	53.8	58.2	58.9	59.4	60.6	60.9	61.3	61.8	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.4
GE 4500	58.8	64.0	64.7	65.2	66.6	66.8	67.2	67.7	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.3
GE 4000	64.1	69.0	70.6	71.2	72.6	72.9	73.3	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.4
GE 3500	66.3	72.5	73.8	74.3	75.7	76.1	76.6	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.6
GE 3000	69.5	76.3	77.8	78.7	80.1	80.5	81.1	81.6	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2
GE 2500	77.4	80.0	81.7	82.7	84.1	84.5	85.2	85.9	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.7
GE 2000	79.2	82.4	84.2	85.5	87.1	87.5	88.2	88.9	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.7
GE 1800	74.5	82.9	84.8	86.1	87.7	88.3	88.9	89.7	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.4
GE 1600	74.9	83.4	85.5	87.0	88.6	89.1	89.8	90.5	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3
GE 1400	75.2	83.8	85.8	87.4	89.1	89.8	90.4	91.3	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	92.0
GE 1200	76.3	84.0	86.1	87.8	89.7	90.3	91.0	91.8	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.6
GE 1000	75.4	84.3	86.6	88.3	90.1	90.8	91.5	92.4	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.2
GE 900	75.6	84.6	87.0	88.8	90.6	91.4	92.3	93.1	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.0
GE 800	75.7	84.8	87.3	89.1	91.1	91.7	92.7	93.5	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.5
GE 700	75.7	84.8	87.4	89.2	91.2	91.9	93.0	94.0	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.9
GE 600	75.7	84.8	87.4	89.2	91.3	92.4	93.7	94.7	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.7
GE 500	75.7	84.8	87.7	89.6	91.7	92.8	94.3	95.4	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.6
GE 400	75.7	84.8	87.8	89.7	91.9	93.1	94.7	96.1	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.3
GE 300	75.7	84.8	87.8	89.7	91.9	93.1	94.7	96.1	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.3
GE 200	75.7	84.8	87.8	89.7	91.9	93.1	94.7	96.2	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7
GE 100	75.7	84.8	87.8	89.7	91.9	93.1	94.7	96.2	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7
GE 0	75.7	84.8	87.8	89.7	91.9	93.1	94.7	96.2	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: OCT FOURSILST: 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	73.4	76.6	77.3	77.8	78.5	78.9	79.0	79.1	79.1	79.1	79.1	79.2	79.5	79.5	79.5	79.5
GE 20000	35.5	38.6	39.4	40.1	40.6	41.2	41.3	41.5	41.5	41.5	41.5	41.6	41.8	41.8	41.8	41.8
GE 18000	35.5	38.6	39.4	40.1	40.6	41.2	41.3	41.5	41.5	41.5	41.5	41.6	41.8	41.8	41.8	41.8
GE 16000	35.5	38.6	39.4	40.1	40.6	41.2	41.3	41.5	41.5	41.5	41.5	41.6	41.8	41.8	41.8	41.8
GE 14000	35.9	39.0	39.8	40.5	41.2	41.6	41.7	41.9	41.9	41.9	41.9	42.0	42.3	42.3	42.3	42.3
GE 12000	36.1	39.2	40.0	40.6	41.4	41.8	41.9	42.2	42.2	42.2	42.2	42.3	42.5	42.5	42.5	42.5
GE 10000	38.4	41.7	42.5	43.2	43.9	44.3	44.4	44.6	44.6	44.6	44.6	44.7	44.9	44.9	44.9	44.9
GE 9000	39.0	42.4	43.1	43.9	44.6	45.1	45.3	45.5	45.5	45.5	45.5	45.6	45.8	45.8	45.8	45.8
GE 8000	40.7	44.0	44.7	45.5	46.2	46.7	46.9	47.1	47.1	47.1	47.1	47.2	47.4	47.4	47.4	47.4
GE 7000	41.5	45.2	46.0	46.9	47.6	48.1	48.3	48.5	48.5	48.5	48.5	48.6	48.8	48.8	48.8	48.8
GE 6000	42.4	46.3	47.2	48.1	48.9	49.5	49.7	49.9	49.9	49.9	49.9	50.0	50.2	50.2	50.2	50.2
GE 5000	47.4	51.9	53.1	54.2	55.2	55.7	55.9	56.1	56.1	56.1	56.1	56.2	56.5	56.5	56.5	56.7
GE 4500	52.8	58.0	59.1	60.2	61.2	61.7	61.9	62.2	62.2	62.2	62.2	62.3	62.5	62.5	62.5	62.7
GE 4000	58.0	63.8	64.9	66.0	67.2	67.7	68.0	68.2	68.2	68.2	68.2	68.3	68.5	68.5	68.5	68.7
GE 3500	61.9	68.4	69.8	70.9	72.0	72.6	72.8	73.0	73.0	73.0	73.0	73.1	73.3	73.3	73.3	73.5
GE 3000	66.3	73.2	74.8	76.1	77.6	78.4	78.6	78.8	78.8	78.8	78.8	78.9	79.1	79.1	79.1	79.4
GE 2500	70.1	77.5	79.1	80.4	82.3	83.0	83.2	83.4	83.7	83.7	83.7	83.8	84.0	84.0	84.0	84.2
GE 2000	72.5	80.4	82.3	83.5	85.4	86.6	86.8	87.0	87.2	87.2	87.2	87.3	87.5	87.5	87.5	87.7
GE 1800	72.8	80.9	82.7	84.0	85.8	87.1	87.4	87.6	87.8	87.8	87.8	88.0	88.2	88.2	88.2	88.4
GE 1600	73.5	81.9	83.9	85.5	87.4	88.7	89.0	89.2	89.5	89.5	89.5	89.6	89.8	89.8	89.8	90.0
GE 1400	73.9	82.5	84.4	86.2	88.2	89.5	89.8	90.0	90.2	90.2	90.2	90.3	90.5	90.5	90.5	90.8
GE 1000	74.2	83.0	85.1	86.9	88.9	90.2	90.6	91.0	91.2	91.3	91.3	91.4	91.6	91.6	91.6	91.8
GE 900	74.2	83.2	85.6	87.4	89.5	90.8	91.2	91.5	91.7	91.8	91.8	91.9	92.2	92.2	92.2	92.4
GE 800	74.2	83.2	85.6	87.4	89.5	90.8	91.2	91.5	91.8	92.0	92.2	92.3	92.5	92.5	92.5	92.7
GE 700	74.2	83.3	85.8	87.6	89.7	91.0	91.4	92.2	92.6	92.7	92.7	92.8	93.0	93.0	93.0	93.2
GE 600	74.2	83.3	85.8	87.6	89.8	91.1	91.5	92.3	92.7	92.8	92.8	92.9	93.1	93.1	93.1	93.3
GE 500	74.3	83.5	86.0	88.1	90.3	91.8	92.4	93.2	93.8	94.0	94.0	94.1	94.3	94.3	94.3	94.5
GE 400	74.2	83.5	86.3	88.7	91.0	92.6	93.1	94.3	94.8	95.1	95.1	95.2	95.4	95.4	95.4	95.6
GE 300	74.5	83.8	86.6	89.0	91.4	93.1	94.0	95.2	95.8	96.1	96.1	96.2	96.5	96.5	96.5	96.7
GE 200	74.5	83.8	86.6	89.0	91.5	93.3	94.3	95.5	96.3	96.9	97.0	97.1	97.3	97.4	97.6	98.1
GE 100	74.5	83.8	86.6	89.0	91.5	93.3	94.3	95.5	96.3	96.9	97.0	97.2	97.6	97.7	98.2	99.2
GE 0	74.5	83.8	86.6	89.0	91.5	93.3	94.3	95.5	96.3	96.9	97.0	97.2	97.6	97.8	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86

MONTH: OCT

HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16
NO CEIL	28.2	32.8	33.1	34.4	34.9	35.4	36.0	36.0	36.0	36.1	36.5	36.5	36.6	36.8	37.1	37.6
GE 2000	37.2	35.2	35.7	37.2	38.0	38.4	39.1	39.1	39.1	39.2	39.6	39.6	39.7	39.9	40.2	40.8
GE 1800	30.3	35.3	35.8	37.3	38.1	38.5	39.2	39.2	39.2	39.4	39.7	39.7	39.8	40.0	40.3	40.9
GE 1600	30.4	35.4	35.9	37.4	38.2	38.6	39.4	39.4	39.4	39.5	39.8	39.8	39.9	40.1	40.4	41.0
GE 1400	30.5	35.5	36.1	37.5	38.4	38.8	39.6	39.6	39.6	39.7	40.0	40.0	40.1	40.3	40.6	41.2
GE 1200	31.5	36.5	37.2	38.7	39.5	39.9	40.6	40.6	40.6	40.8	41.1	41.1	41.2	41.4	41.7	42.3
GE 1000	33.4	38.9	39.7	41.3	42.3	42.7	43.4	43.4	43.4	43.5	43.9	43.9	44.0	44.2	44.5	45.1
GE 900	34.7	39.9	40.8	42.4	43.4	43.9	44.7	44.7	44.7	44.8	45.2	45.2	45.3	45.5	45.8	46.3
GE 800	35.8	41.0	41.6	43.5	44.6	45.1	46.1	46.1	46.1	46.2	46.6	46.6	46.7	46.9	47.2	47.7
GE 700	36.9	42.2	43.0	44.8	45.9	46.3	47.4	47.4	47.4	47.5	47.8	47.8	48.0	48.2	48.5	49.0
GE 600	37.7	43.1	44.2	46.0	47.1	47.5	48.6	48.6	48.6	48.7	49.0	49.0	49.1	49.4	49.7	50.2
GE 500	42.4	48.2	49.4	51.3	52.8	53.5	54.6	54.6	54.6	54.7	55.1	55.1	55.2	55.4	55.7	56.2
GE 400	46.1	53.3	54.9	57.0	58.5	59.2	60.3	60.3	60.3	60.4	60.6	60.8	60.9	61.1	61.4	61.9
GE 300	48.9	56.6	58.4	60.5	62.4	63.3	64.4	64.4	64.4	64.5	64.8	64.8	64.9	65.2	65.5	66.0
GE 200	57.9	62.9	62.9	65.2	67.4	68.4	69.6	69.6	69.7	69.8	70.1	70.1	70.2	70.4	70.8	71.3
GE 100	56.8	65.8	68.0	70.3	72.9	74.0	75.2	75.3	75.4	75.5	75.8	75.8	75.9	76.1	76.5	77.0
GE 2500	59.1	69.0	71.3	73.7	76.2	77.4	78.6	79.7	79.9	79.1	79.5	79.5	79.6	79.8	80.1	80.6
GE 2000	62.2	72.5	74.8	77.4	80.1	81.3	82.6	83.0	83.3	83.5	84.0	84.0	84.1	84.3	84.6	85.2
GE 1800	62.8	73.2	75.7	78.3	81.0	82.2	83.4	83.9	84.2	84.4	84.8	84.8	84.9	85.2	85.5	86.0
GE 1600	63.4	74.1	76.8	79.4	82.7	84.0	85.4	86.0	86.5	86.7	87.1	87.1	87.2	87.4	87.7	88.3
GE 1400	64.6	75.8	78.5	81.3	84.4	85.9	87.3	88.0	88.4	88.6	89.1	89.1	89.2	89.5	89.8	90.3
GE 1200	65.1	76.5	79.2	82.2	85.6	87.2	88.8	89.5	89.9	90.1	90.6	90.6	90.8	91.0	91.3	91.8
GE 1000	65.2	76.6	79.4	82.3	85.8	87.4	89.1	89.8	90.2	90.4	91.0	91.0	91.1	91.3	91.6	92.2
GE 900	65.3	76.8	79.6	82.5	86.1	87.6	89.6	90.2	90.6	90.9	91.4	91.4	91.5	91.7	92.0	92.6
GE 800	65.4	77.1	79.9	82.8	86.7	88.5	90.2	90.9	91.3	91.5	92.0	92.0	92.2	92.4	92.7	93.2
GE 700	65.4	77.1	80.0	82.9	86.9	88.6	90.5	91.2	91.6	91.8	92.4	92.4	92.5	92.7	93.0	93.7
GE 600	65.4	77.3	80.2	83.3	87.5	89.9	91.8	92.7	93.4	93.7	94.2	94.2	94.3	94.6	95.1	95.7
GE 500	65.4	77.3	80.3	83.5	87.7	90.2	92.4	93.7	94.4	94.7	95.4	95.4	95.5	95.8	96.2	96.9
GE 400	65.4	77.3	80.3	83.5	87.6	90.3	92.5	93.8	94.6	94.9	95.7	95.7	95.8	96.1	96.6	97.2
GE 300	65.4	77.3	80.3	83.5	87.8	90.3	92.8	94.2	95.1	95.5	96.2	96.2	96.5	96.8	97.2	98.0
GE 200	65.4	77.3	80.3	83.5	87.6	90.3	92.8	94.2	95.1	95.5	96.3	96.3	96.6	97.1	97.6	99.0
GE 100	65.4	77.3	80.3	83.5	87.6	90.3	92.8	94.2	95.1	95.5	96.3	96.3	96.6	97.1	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS: 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 1	GE 10	GE 4	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	25.8	72.7	33.8	74.7	35.4	75.6	35.7	35.8	35.8	35.8	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9
GE 20000	32.2	76.9	38.4	39.4	40.0	40.2	40.3	40.4	40.4	40.4	40.4	40.4	40.5	40.5	40.5	40.6	40.6	40.6
GE 18000	32.4	77.1	38.6	39.6	40.2	40.4	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.8	40.8	40.8	40.9	40.9
GE 16000	32.5	37.2	39.7	39.7	40.3	40.5	40.6	40.8	40.8	40.8	40.8	40.8	40.9	40.9	40.9	41.0	41.0	41.0
GE 14000	33.3	78.1	39.6	40.5	41.2	41.4	41.5	41.6	41.6	41.6	41.6	41.6	41.7	41.7	41.7	41.8	41.8	41.8
GE 12000	35.5	40.2	41.7	42.7	43.3	43.5	43.7	43.8	43.8	43.8	43.8	43.8	43.9	43.9	43.9	44.0	44.0	44.0
GE 10000	38.1	42.4	44.4	45.5	46.1	46.3	46.5	46.6	46.6	46.6	46.6	46.6	46.7	46.7	46.7	46.8	46.8	46.8
GE 9000	38.9	44.0	45.5	46.7	47.5	47.7	47.8	48.0	48.0	48.0	48.0	48.0	48.1	48.1	48.1	48.2	48.2	48.2
GE 8000	41.2	46.5	49.1	49.5	50.4	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.2	51.2	51.2
GE 7000	41.7	47.1	48.9	50.3	51.3	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	52.0	52.0	52.0
GE 6000	42.5	47.8	49.7	51.4	52.5	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.2	53.2	53.2
GE 5000	46.0	52.3	54.2	55.9	57.2	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	58.0	58.0	58.0
GE 4500	46.0	54.1	57.1	59.6	61.0	61.3	61.4	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.7
GE 4000	46.7	57.3	59.7	62.4	64.0	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.7	64.7	64.7
GE 3500	51.5	59.6	62.0	64.9	66.8	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.5	67.5	67.5
GE 3000	55.9	64.5	67.6	70.6	72.7	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.5	73.5	73.5
GE 2500	55.8	69.1	72.4	75.6	77.6	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.5	78.5	78.5
GE 2000	63.3	73.2	77.0	80.5	82.7	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.7	83.7	83.7	83.8	83.8	83.8
GE 1800	64.2	74.5	78.4	82.2	84.3	84.7	84.9	85.2	85.2	85.2	85.2	85.2	85.4	85.4	85.4	85.5	85.5	85.5
GE 1600	65.4	76.0	79.9	84.6	87.3	88.1	88.4	88.7	88.7	88.7	88.7	88.7	88.9	88.9	88.9	89.0	89.0	89.0
GE 1400	66.2	77.2	81.2	86.2	89.0	89.8	90.1	90.5	90.5	90.5	90.5	90.6	91.0	91.0	91.0	91.1	91.1	91.1
GE 1200	68.6	78.6	81.9	87.3	90.2	91.2	91.5	91.9	91.9	91.9	91.9	92.2	92.4	92.4	92.4	92.5	92.5	92.5
GE 1000	68.6	79.0	81.9	87.3	90.2	91.2	91.5	91.9	91.9	91.9	91.9	92.2	92.4	92.4	92.4	92.5	92.5	92.5
GE 900	66.7	78.3	82.4	87.6	90.9	92.0	92.4	92.8	92.8	92.8	92.8	93.0	93.2	93.2	93.2	93.3	93.3	93.3
GE 800	65.7	78.0	82.7	88.3	91.3	92.7	93.0	93.4	93.4	93.4	93.4	93.7	93.9	93.9	93.9	94.0	94.0	94.0
GE 700	66.7	78.6	82.7	88.3	91.5	93.0	93.3	93.6	93.6	93.6	93.6	94.0	94.2	94.2	94.2	94.4	94.4	94.4
GE 600	65.7	78.6	82.7	88.3	91.5	93.0	93.3	93.6	93.6	93.6	93.6	94.0	94.2	94.2	94.2	94.4	94.4	94.4
GE 500	65.7	78.6	82.7	88.3	91.5	93.0	93.3	93.6	93.6	93.6	93.6	94.0	94.2	94.2	94.2	94.4	94.4	94.4
GE 400	65.7	78.6	82.7	88.3	91.5	93.0	93.3	93.6	93.6	93.6	93.6	94.0	94.2	94.2	94.2	94.4	94.4	94.4
GE 300	65.7	78.6	82.7	88.3	91.5	93.0	93.3	93.6	93.6	93.6	93.6	94.0	94.2	94.2	94.2	94.4	94.4	94.4
GE 200	65.7	78.6	82.7	88.3	91.5	93.0	93.3	93.6	93.6	93.6	93.6	94.0	94.2	94.2	94.2	94.4	94.4	94.4
GE 100	65.7	78.6	82.7	88.3	91.5	93.0	93.3	93.6	93.6	93.6	93.6	94.0	94.2	94.2	94.2	94.4	94.4	94.4
GE 0	65.7	78.6	82.7	88.3	91.5	93.0	93.3	93.6	93.6	93.6	93.6	94.0	94.2	94.2	94.2	94.4	94.4	94.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86

MONTH: OCT HOURS(IST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	GE 1	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
40 CEIL	30.6	33.2	33.7	34.0	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	
GE 20000	34.3	37.7	38.2	38.5	38.7	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	
GE 18000	34.5	38.0	38.4	38.7	38.9	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	
GE 16000	35.1	38.5	38.9	39.2	39.5	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	
GE 14000	35.9	39.6	40.0	40.3	40.5	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	
GE 12000	38.2	41.9	42.4	42.7	42.9	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	
GE 10000	40.1	44.0	44.4	44.7	44.9	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	
GE 9000	41.3	45.2	45.6	45.9	46.1	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
GE 8000	43.5	48.0	48.5	49.0	49.5	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	
GE 7000	44.3	49.5	50.0	50.6	51.1	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	
GE 6000	44.5	49.9	50.4	51.2	51.6	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	
GE 5000	47.3	53.2	53.8	54.5	54.9	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	
GE 4500	51.6	58.2	58.8	59.7	60.1	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	
GE 4000	54.4	61.3	61.9	62.9	63.5	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	
GE 3500	57.4	64.5	65.4	66.5	67.2	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	
GE 3000	64.2	71.6	72.6	73.6	74.7	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	
GE 2500	69.6	77.4	78.5	79.9	81.1	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	
GE 2000	77.2	82.3	83.5	85.3	86.8	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	
GE 1800	73.5	83.3	84.6	86.6	88.1	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	
GE 1500	74.1	84.4	86.0	88.7	90.4	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	
GE 1200	74.5	85.3	86.9	89.8	91.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	
GE 1000	74.7	85.6	87.2	90.2	92.4	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	
GE 900	74.8	85.9	87.6	90.8	92.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	
GE 800	74.8	86.2	88.1	91.3	93.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
GE 700	74.9	86.5	88.3	91.7	94.1	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	
GE 600	75.1	86.8	88.6	92.0	94.6	95.9	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	
GE 500	75.2	87.0	88.8	92.7	95.6	97.2	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE 400	75.2	87.0	88.9	92.9	95.8	97.5	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
GE 300	75.2	87.0	89.0	93.1	96.0	98.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 200	75.2	87.0	89.0	93.1	96.0	98.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 100	75.2	87.0	89.0	93.1	96.0	98.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0	75.2	87.0	89.0	93.1	96.0	98.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 75287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4
NO CEIL	31.7	33.7	34.9	35.4	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
GE 20000	36.7	38.8	40.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 18000	37.1	39.2	40.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 16000	37.7	39.9	41.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 14000	39.4	41.7	43.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 12000	41.1	43.5	45.1	46.0	46.1	46.1	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 10000	42.8	45.4	46.9	47.8	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 9000	44.1	46.8	48.4	49.4	49.7	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 8000	47.5	50.6	52.6	53.5	54.1	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 7000	49.8	52.3	54.2	55.2	55.7	55.7	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 6000	50.4	54.0	55.9	57.1	57.6	57.6	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 5000	55.1	59.1	61.2	62.4	63.0	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 4500	60.0	64.5	66.6	67.8	68.7	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 4000	63.4	68.2	70.4	72.2	73.3	73.8	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 3500	67.7	72.9	75.2	76.4	78.2	78.7	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 3000	71.5	77.0	79.7	81.5	82.9	83.4	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 2500	75.3	81.2	84.0	86.0	87.6	88.4	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 2000	76.9	83.0	86.1	88.3	90.4	91.3	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 1800	77.2	83.5	86.7	88.8	91.1	92.0	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1600	77.5	84.2	87.4	89.6	91.9	93.0	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1400	78.0	84.8	88.1	90.2	92.7	93.9	94.4	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1300	78.0	85.1	88.3	90.5	93.3	94.5	95.2	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1200	78.1	85.2	88.4	90.6	93.4	94.6	95.3	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1100	78.3	85.6	88.9	91.2	94.0	95.2	95.8	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1000	78.3	85.7	89.0	91.5	94.4	95.6	96.2	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 900	78.5	85.9	89.2	91.8	94.8	96.1	97.0	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 800	78.6	86.0	89.4	92.2	95.5	96.8	97.6	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	78.6	86.0	89.5	92.3	95.7	97.1	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	78.6	86.0	89.5	92.3	95.7	97.4	98.4	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	78.6	86.0	89.5	92.3	95.7	97.4	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	78.6	86.0	89.5	92.3	95.7	97.4	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	78.6	86.0	89.5	92.3	95.7	97.4	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	78.6	86.0	89.5	92.3	95.7	97.4	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	78.6	86.0	89.5	92.3	95.7	97.4	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 0	78.6	86.0	89.5	92.3	95.7	97.4	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	35.2	37.7	38.5	38.7	39.2	39.4	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
GE 20000	39.4	42.3	43.0	43.2	43.9	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 18000	39.9	42.9	43.7	43.9	44.5	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 16000	40.3	43.4	44.2	44.4	45.1	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 14000	41.2	44.3	45.1	45.3	45.9	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 12000	42.0	45.3	46.0	46.2	46.9	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 10000	43.4	46.8	47.5	47.7	48.6	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 9000	44.4	47.7	48.7	48.9	49.8	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 8000	47.1	50.4	51.4	51.6	52.5	52.6	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 7000	48.9	52.3	53.2	53.4	54.3	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 6000	50.8	54.3	55.3	55.5	56.3	56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 5000	55.9	60.1	61.3	61.6	62.5	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 4500	60.2	65.1	66.6	67.0	68.0	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 4000	64.4	69.7	71.2	71.7	72.7	72.9	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 3500	69.4	74.2	75.8	76.3	77.3	77.5	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 3000	73.0	79.7	81.3	81.9	83.1	83.4	83.8	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2
GE 2500	75.9	83.5	85.4	86.1	87.3	87.6	88.0	88.4	88.6	88.6	89.7	88.7	88.7	88.7	88.7	88.7
GE 2000	76.7	86.3	88.5	89.5	90.9	91.2	91.8	92.5	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8
GE 1800	78.6	88.7	88.9	90.0	91.4	91.7	92.4	93.0	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3
GE 1600	78.8	87.3	89.6	90.6	92.2	92.6	93.2	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
GE 1400	78.9	87.6	90.0	91.2	92.7	92.2	93.9	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 1200	78.9	87.6	90.0	91.2	92.7	92.2	93.9	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 1000	78.9	87.6	90.0	91.2	92.7	92.2	93.9	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 900	78.9	87.6	90.0	91.2	92.7	92.2	93.9	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 800	78.9	87.6	90.0	91.2	92.7	92.2	93.9	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 700	78.9	87.6	90.0	91.2	92.7	92.2	93.9	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 600	78.9	87.6	90.0	91.2	92.7	92.2	93.9	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 500	78.9	87.6	90.0	91.2	92.7	92.2	93.9	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 400	78.9	87.6	90.0	91.2	92.7	92.2	93.9	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 300	78.9	87.6	90.0	91.2	92.7	92.2	93.9	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 200	78.9	87.6	90.0	91.2	92.7	92.2	93.9	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 100	78.9	87.6	90.0	91.2	92.7	92.2	93.9	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 0	78.9	87.6	90.0	91.2	92.7	92.2	93.9	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 2100-2300

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	37.3	39.8	40.8	41.0	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.8	41.9	41.9	41.9	41.9	41.9
GE 20000	39.9	42.6	43.7	43.9	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.7	44.8	44.8	44.8	44.8	44.8
GE 18000	40.0	42.7	43.8	44.0	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.8	44.9	44.9	44.9	44.9	44.9
GE 16000	40.1	42.8	43.9	44.1	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.9	45.1	45.1	45.1	45.1	45.1
GE 14000	41.1	43.1	44.8	45.1	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.9	46.0	46.0	46.0	46.0	46.0
GE 12000	42.4	45.4	46.5	46.7	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.5	47.6	47.6	47.6	47.6	47.6
GE 10000	44.4	47.8	48.9	49.1	49.7	49.9	49.9	49.9	49.9	49.9	50.0	50.1	50.2	50.2	50.2	50.2	50.2
GE 9000	45.9	49.6	50.6	51.0	51.5	51.7	51.7	51.7	51.7	51.7	51.8	51.9	52.0	52.0	52.0	52.0	52.0
GE 8000	49.1	51.7	52.9	53.1	53.7	53.9	53.9	53.9	53.9	53.9	54.0	54.1	54.2	54.2	54.2	54.2	54.2
GE 7000	49.4	53.2	54.4	54.6	55.2	55.4	55.4	55.4	55.4	55.4	55.5	55.6	55.7	55.7	55.7	55.7	55.7
GE 6000	51.7	56.2	57.4	57.6	58.2	58.4	58.4	58.4	58.4	58.4	58.5	58.6	58.7	58.7	58.7	58.7	58.7
GE 5000	57.0	61.7	62.9	63.1	63.7	64.0	64.0	64.0	64.0	64.0	64.1	64.2	64.3	64.3	64.3	64.3	64.3
GE 4500	61.2	66.6	67.8	68.2	68.7	69.2	69.2	69.2	69.2	69.2	69.4	69.5	69.6	69.6	69.6	69.6	69.6
GE 4000	65.2	71.0	72.4	72.8	73.3	74.0	74.0	74.0	74.0	74.0	74.1	74.2	74.3	74.3	74.3	74.3	74.3
GE 3500	69.7	74.7	76.2	76.8	77.3	78.0	78.0	78.0	78.0	78.0	78.1	78.2	78.3	78.3	78.3	78.3	78.3
GE 3000	71.7	78.7	80.3	81.1	81.7	82.4	82.4	82.4	82.4	82.4	82.5	82.6	82.7	82.7	82.7	82.7	82.7
GE 2500	75.4	83.9	85.6	86.5	87.2	88.2	88.2	88.3	88.3	88.3	88.4	88.5	88.6	88.6	88.6	88.6	88.6
GE 2000	77.0	85.8	87.7	88.6	89.4	90.3	90.3	90.4	90.4	90.4	90.5	90.6	90.8	90.8	90.8	90.8	90.8
GE 1800	77.2	86.1	88.1	88.9	89.6	90.8	90.9	91.0	91.0	91.0	91.1	91.2	91.3	91.3	91.3	91.3	91.3
GE 1600	77.1	87.3	89.6	90.4	91.5	92.5	92.6	92.7	92.7	92.7	92.8	92.9	93.0	93.0	93.0	93.0	93.0
GE 1400	78.5	88.0	90.2	91.2	92.4	93.3	93.5	93.7	93.7	93.7	93.8	93.9	94.0	94.0	94.0	94.0	94.0
GE 1000	78.5	88.5	90.9	91.9	93.1	94.3	94.5	94.6	94.6	94.6	94.7	94.8	94.9	94.9	94.9	94.9	94.9
GE 900	78.5	88.5	90.9	91.9	93.1	94.3	94.5	94.6	94.6	94.6	94.7	94.8	94.9	94.9	94.9	94.9	94.9
GE 800	78.5	88.6	91.0	92.2	93.4	94.6	95.1	95.2	95.2	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5
GE 700	79.6	88.8	91.2	92.5	93.8	95.2	95.6	95.8	95.8	95.8	95.9	96.0	96.1	96.1	96.1	96.1	96.1
GE 600	79.6	88.8	91.2	92.5	93.8	95.2	95.7	96.1	96.1	96.1	96.2	96.3	96.5	96.5	96.5	96.5	96.5
GE 500	79.6	88.8	91.2	92.5	93.8	95.3	95.9	96.5	96.5	96.5	96.6	96.7	96.8	96.8	96.8	96.8	96.8
GE 400	79.8	89.2	91.7	93.0	94.3	95.9	96.6	97.1	97.1	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.4
GE 300	79.8	89.2	91.7	93.0	94.5	96.2	97.0	97.5	97.5	97.5	97.7	97.8	98.0	98.0	98.0	98.0	98.0
GE 200	79.8	89.2	91.7	93.0	94.5	96.2	97.2	97.8	98.1	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 100	79.8	89.2	91.7	93.0	94.5	96.2	97.3	98.0	98.2	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 0	79.8	89.2	91.7	93.0	94.5	96.2	97.3	98.0	98.2	98.4	98.5	98.6	98.7	98.7	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: OCT POURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4
NO CLIL	32.6	35.6	36.4	37.0	37.5	37.7	37.8	37.9	38.0	38.0	38.1	38.1	38.1	38.2	38.3
GE 20000	35.6	39.0	39.9	40.5	41.1	41.3	41.5	41.6	41.6	41.7	41.7	41.7	41.8	41.8	41.9
GE 18000	35.8	39.2	40.1	40.7	41.3	41.5	41.7	41.8	41.8	41.9	41.9	42.0	42.0	42.0	42.1
GE 16000	36.0	39.5	40.3	41.0	41.6	41.8	42.0	42.1	42.1	42.1	42.2	42.2	42.3	42.3	42.4
GE 14000	36.9	40.4	41.2	41.9	42.5	42.7	42.9	43.0	43.0	43.0	43.1	43.1	43.2	43.2	43.3
GE 12000	38.1	41.7	42.6	43.3	43.8	44.1	44.2	44.3	44.4	44.4	44.5	44.5	44.5	44.6	44.7
GE 10000	40.2	44.0	44.9	45.5	46.2	46.4	46.6	46.7	46.7	46.8	46.9	46.9	46.9	47.0	47.1
GE 9000	41.3	45.1	46.1	46.6	47.5	47.7	47.9	48.0	48.1	48.1	48.2	48.2	48.3	48.3	48.4
GE 8000	43.4	47.5	48.5	49.3	50.1	50.3	50.6	50.7	50.8	50.8	50.9	50.9	50.9	51.0	51.1
GE 7000	44.6	48.9	50.0	50.8	51.6	51.8	52.1	52.2	52.3	52.3	52.4	52.4	52.4	52.5	52.6
GE 6000	45.8	50.3	51.5	52.4	53.2	53.5	53.7	53.8	53.9	53.9	54.0	54.0	54.1	54.1	54.2
GE 5000	50.6	55.6	56.8	57.8	58.7	59.1	59.3	59.5	59.5	59.5	59.6	59.6	59.7	59.7	59.9
GE 4000	54.8	60.6	62.0	63.1	64.1	64.5	64.7	64.9	64.9	64.9	65.0	65.0	65.1	65.1	65.3
GE 3000	59.5	64.7	66.2	67.5	68.6	69.1	69.4	69.5	69.6	69.6	69.7	69.7	69.8	69.8	70.0
GE 2500	61.9	68.5	70.1	71.5	72.7	73.2	73.6	73.7	73.8	73.8	73.9	73.9	73.9	74.0	74.1
GE 2000	66.1	73.4	75.3	76.6	78.3	78.8	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.6	79.7
GE 1500	69.7	77.7	79.7	81.4	83.0	83.6	83.9	84.2	84.3	84.4	84.4	84.5	84.5	84.6	84.7
GE 1000	72.2	80.7	83.0	84.8	86.6	87.4	87.8	88.1	88.2	88.3	88.4	88.4	88.5	88.6	88.7
GE 800	72.6	81.4	83.7	85.6	87.4	88.2	88.7	89.0	89.1	89.2	89.3	89.3	89.4	89.4	89.6
GE 600	73.2	82.3	84.8	87.0	89.0	89.9	90.4	90.7	90.9	91.0	91.1	91.1	91.2	91.2	91.4
GE 400	73.7	83.1	85.6	87.9	90.0	91.0	91.5	91.5	92.1	92.2	92.3	92.3	92.4	92.5	92.6
GE 200	73.9	83.5	86.2	88.6	90.8	91.9	92.5	92.8	93.0	93.1	93.2	93.3	93.3	93.4	93.5
GE 100	74.0	83.7	86.4	88.8	91.0	92.1	92.7	93.1	93.3	93.4	93.5	93.5	93.6	93.6	93.8
GE 50	74.0	83.9	86.6	89.1	91.5	92.5	93.2	93.7	93.8	93.9	94.1	94.1	94.1	94.2	94.4
GE 25	74.1	84.1	86.7	89.5	91.9	93.1	93.8	94.2	94.4	94.6	94.7	94.7	94.7	94.8	95.0
GE 10	74.2	84.2	87.0	89.6	92.1	93.4	94.1	94.7	94.9	95.0	95.1	95.2	95.2	95.3	95.5
GE 5	74.2	84.3	87.1	89.9	92.6	94.1	95.0	95.7	96.0	96.1	96.3	96.3	96.3	96.4	96.6
GE 2	74.3	84.4	87.3	90.2	93.0	94.5	95.6	96.4	96.7	96.9	97.0	97.1	97.1	97.2	97.4
GE 1	74.3	84.4	87.4	90.3	93.1	94.9	96.1	97.0	97.4	97.6	97.7	97.8	97.8	97.9	98.1
GE 0	74.3	84.4	87.4	90.3	93.2	94.9	96.3	97.2	97.6	98.0	98.2	98.3	98.3	98.5	98.9
GE 0	74.3	84.4	87.4	90.3	93.2	94.9	96.3	97.2	97.7	98.1	98.4	98.4	98.6	98.8	99.0
GE 0	74.3	84.4	87.4	90.3	93.2	94.9	96.3	97.2	97.7	98.1	98.4	98.5	98.7	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86

MONTH: NOV FOURSLST: 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	26.6	28.1	28.2	28.8	29.3	29.6	29.7	29.9	30.0	30.2	30.2	30.3	30.3	30.3	30.3	30.3	30.4
GE 20000	27.9	29.3	29.4	30.0	30.6	30.6	30.9	31.1	31.2	31.4	31.4	31.6	31.6	31.6	31.6	31.6	31.7
GE 18000	27.9	29.2	29.4	30.0	30.6	30.8	30.9	31.1	31.2	31.4	31.4	31.6	31.6	31.6	31.6	31.6	31.7
GE 16000	27.9	29.3	29.4	30.0	30.6	30.8	30.9	31.1	31.2	31.4	31.4	31.6	31.6	31.6	31.6	31.6	31.7
GE 14000	28.0	29.6	29.7	30.2	30.8	31.0	31.1	31.3	31.4	31.7	31.7	31.8	31.8	31.8	31.8	31.8	31.9
GE 12000	29.1	30.7	30.8	31.3	31.9	32.1	32.2	32.4	32.6	32.8	32.9	32.9	32.9	32.9	32.9	32.9	33.0
GE 10000	31.0	32.6	32.9	33.4	34.0	34.2	34.3	34.6	34.7	34.9	34.9	35.0	35.0	35.0	35.0	35.0	35.1
GE 9000	31.6	33.0	33.4	34.4	35.0	35.2	35.3	35.6	35.7	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.1
GE 8000	31.6	33.0	33.4	34.4	35.0	35.2	35.3	35.6	35.7	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.1
GE 7000	36.3	39.7	39.8	39.7	40.2	40.4	40.6	40.8	40.9	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.3
GE 6000	37.0	39.4	39.8	40.4	41.0	41.2	41.3	41.6	41.7	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.1
GE 5000	42.3	45.6	45.9	46.6	47.1	47.3	47.4	47.7	47.8	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.2
GE 4000	45.7	50.3	50.8	51.4	52.0	52.2	52.3	52.6	52.7	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.1
GE 3000	45.6	54.1	54.6	55.2	55.8	56.0	56.1	56.3	56.4	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.9
GE 2000	52.9	59.0	59.0	60.3	60.9	61.1	61.2	61.4	61.6	61.8	61.8	61.9	61.9	61.9	61.9	61.9	62.0
GE 1000	56.9	63.3	63.9	64.7	65.4	65.7	65.8	66.0	66.1	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.6
GE 2500	62.0	69.3	70.3	71.1	72.0	72.3	72.6	72.9	73.0	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.4
GE 2000	67.8	77.0	78.7	79.9	80.9	81.3	81.7	82.1	82.2	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.7
GE 1800	68.9	78.2	79.9	81.1	82.1	82.6	83.0	83.4	83.6	83.8	83.8	83.9	83.9	83.9	83.9	83.9	84.0
GE 1600	70.6	80.2	82.1	83.6	84.7	85.1	85.9	86.6	86.7	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.1
GE 1400	71.0	81.1	83.1	84.6	85.8	86.2	87.2	88.0	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.6
GE 1000	71.3	81.8	84.3	86.3	87.6	88.1	89.2	90.0	90.1	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.7
GE 900	71.4	82.0	84.6	86.6	87.8	88.3	89.4	90.2	90.3	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.9
GE 800	71.4	82.1	84.6	86.6	87.8	88.3	89.4	90.1	90.2	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.9
GE 700	71.9	82.8	85.9	88.1	89.3	90.1	91.3	92.1	92.2	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.9
GE 600	72.0	83.4	86.7	89.0	90.4	91.6	92.9	93.7	93.8	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.4
GE 500	72.1	83.8	87.4	89.9	91.4	92.6	93.9	94.8	94.9	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.9
GE 400	72.2	83.9	87.7	90.4	92.2	93.7	95.1	96.7	96.9	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.1
GE 300	72.2	83.9	87.7	90.6	92.3	93.8	95.2	97.0	97.3	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.9
GE 200	72.2	83.9	87.7	90.6	92.3	93.8	95.2	97.1	97.4	98.7	98.8	98.9	98.9	98.9	98.9	98.9	99.0
GE 100	72.2	83.9	87.7	90.6	92.3	93.8	95.2	97.1	97.4	98.7	98.8	98.9	98.9	98.9	98.9	98.9	99.0
GE 0	72.2	83.9	87.7	90.6	92.3	93.8	95.2	97.1	97.4	98.7	98.8	98.9	98.9	98.9	98.9	98.9	99.0

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 0300-0500

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET		GE 1	GE 6	GF 5	GE 4	GE 3	GF 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GF 5/8	GE 1/2	GE 5/16	GL 1/4	GE 0
NO CEIL		22.2	24.1	24.7	24.7	24.8	24.9	24.9	25.2	25.3	25.3	25.6	25.6	25.6	25.6	25.6	26.1
GE 20000		24.2	26.2	26.9	26.9	27.0	27.1	27.1	27.4	27.7	27.6	28.0	28.0	28.0	28.0	28.0	28.6
GE 18000		24.2	26.2	26.9	26.9	27.0	27.1	27.1	27.4	27.7	27.6	28.0	28.0	28.0	28.0	28.0	28.6
GE 16000		24.2	26.2	26.9	26.9	27.0	27.1	27.1	27.4	27.7	27.6	28.0	28.0	28.0	28.0	28.0	28.6
GE 14000		24.2	26.2	26.9	26.9	27.0	27.1	27.1	27.4	27.7	27.6	28.0	28.0	28.0	28.0	28.0	28.6
GE 12000		24.6	26.6	27.6	27.6	27.7	27.6	27.6	28.1	28.3	28.4	28.7	28.7	28.7	28.7	28.7	29.2
GE 10000		26.9	29.2	30.0	30.0	30.1	30.2	30.2	30.6	30.8	30.9	31.1	31.1	31.1	31.1	31.1	31.7
GE 9000		27.7	30.1	30.9	30.9	31.0	31.1	31.1	31.4	31.7	31.8	32.0	32.0	32.0	32.0	32.0	32.6
GE 8000		31.1	33.7	34.4	34.4	34.6	34.8	34.8	35.1	35.3	35.4	35.7	35.7	35.7	35.7	35.7	36.2
GE 7000		32.2	35.0	35.8	35.8	35.9	36.1	36.1	36.4	36.7	36.8	37.0	37.0	37.0	37.0	37.0	37.6
GE 6000		33.4	36.3	37.2	37.2	37.3	37.6	37.6	37.9	38.1	38.2	38.4	38.4	38.4	38.4	38.4	39.0
GE 5000		33.6	42.0	42.9	43.2	43.4	43.7	43.7	44.0	44.2	44.3	44.6	44.6	44.6	44.6	44.6	45.1
GE 4500		42.7	47.7	48.8	49.2	49.4	49.7	49.7	50.1	50.3	50.4	50.8	50.8	50.8	50.8	50.8	51.3
GE 4000		46.1	52.2	53.2	53.6	54.0	54.4	54.4	54.9	55.1	55.2	55.6	55.6	55.6	55.6	55.6	56.1
GE 3500		51.4	57.6	58.9	59.3	59.6	60.0	60.0	60.6	60.9	61.0	61.3	61.3	61.3	61.3	61.3	61.9
GE 3000		56.0	62.6	64.1	64.7	64.9	65.3	65.3	65.9	66.2	66.3	66.7	66.7	66.7	66.7	66.7	67.2
GE 2500		62.3	69.9	71.2	71.8	72.4	73.0	73.0	73.6	73.9	74.0	74.3	74.3	74.3	74.3	74.3	74.9
GE 2000		67.8	76.4	78.2	79.2	80.1	81.7	81.7	82.0	82.0	82.1	82.4	82.4	82.4	82.4	82.4	83.0
GE 1800		69.0	77.9	79.7	80.7	81.6	82.1	82.4	83.1	83.4	83.6	83.9	83.9	83.9	83.9	83.9	84.4
GE 1600		70.8	80.2	82.1	83.2	84.2	84.8	85.4	86.1	86.4	86.6	86.9	86.9	86.9	86.9	86.9	87.4
GE 1400		71.2	81.2	83.1	84.2	85.3	86.1	86.9	87.6	87.9	88.0	88.3	88.3	88.3	88.3	88.3	88.9
GE 1200		71.9	81.9	83.8	85.1	86.2	87.0	87.8	88.7	89.0	89.2	89.6	89.6	89.6	89.6	89.6	90.1
GE 1000		72.5	82.0	83.9	85.2	86.3	87.2	88.0	88.9	89.2	89.4	89.8	89.8	89.8	89.8	89.8	90.3
GE 900		72.0	82.4	84.4	85.8	87.1	88.0	88.6	89.7	90.0	90.2	90.6	90.6	90.6	90.6	90.6	91.1
GE 800		72.1	82.9	85.1	86.6	88.2	89.1	89.9	90.8	91.1	91.3	91.7	91.7	91.7	91.7	91.7	92.2
GE 700		72.1	83.0	85.2	87.1	88.7	89.9	90.9	92.0	92.3	92.6	93.0	93.1	93.1	93.1	93.1	93.7
GE 600		72.3	83.3	86.3	88.3	90.1	91.6	92.6	93.7	94.0	94.3	94.8	94.9	94.9	94.9	94.9	95.4
GE 500		72.4	83.7	86.7	88.7	90.4	92.4	93.6	94.7	95.1	95.9	96.4	96.6	96.6	96.6	96.6	97.1
GE 400		72.4	83.7	86.7	88.8	90.6	92.6	93.8	95.1	95.7	96.6	97.2	97.3	97.3	97.3	97.3	98.0
GE 300		72.4	83.7	86.7	88.9	90.7	92.8	94.3	96.0	96.8	97.3	97.7	97.8	97.8	97.8	97.8	98.4
GE 200		72.4	83.7	86.7	88.9	90.7	92.8	94.3	96.0	96.8	97.3	97.7	97.8	97.8	97.8	97.8	98.4
GE 100		72.4	83.7	86.7	88.9	90.7	92.8	94.3	96.0	96.8	97.3	97.7	97.8	97.8	97.8	97.8	98.4
GE 0		72.4	83.7	86.7	88.9	90.7	92.8	94.3	96.0	96.8	97.3	97.7	97.8	97.8	97.8	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-84  
MONTH: NOV HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	19.4	22.4	23.2	23.9	24.2	24.4	24.4	24.4	24.4	24.7	24.8	24.9	24.8	24.8	25.0	25.0
GE 20000	22.6	25.6	26.6	27.2	27.6	27.8	27.6	27.8	28.1	28.2	28.2	28.2	28.2	28.2	28.4	28.4
GE 18000	22.7	25.9	26.7	27.3	27.7	27.9	27.9	27.9	28.2	28.3	28.3	28.3	28.3	28.3	28.6	28.6
GE 16000	22.8	26.3	27.1	27.6	28.1	28.3	28.3	28.3	28.7	28.8	28.8	28.8	28.8	28.8	29.0	29.0
GE 14000	22.9	26.4	27.2	27.9	28.2	28.4	28.4	28.4	28.8	28.9	28.9	28.9	28.9	28.9	29.1	29.1
GE 12000	24.0	27.8	28.6	29.2	29.6	29.8	29.8	29.8	30.1	30.2	30.2	30.2	30.2	30.4	30.4	30.8
GE 10000	26.2	30.0	30.8	31.4	31.8	32.0	32.0	32.0	32.3	32.4	32.4	32.4	32.4	32.7	32.7	33.0
GE 9000	27.0	31.0	31.9	32.6	32.9	33.1	33.1	33.1	33.4	33.6	33.6	33.6	33.6	33.8	33.8	34.1
GE 8000	33.4	34.7	35.7	36.3	36.7	36.9	36.9	36.9	37.2	37.3	37.3	37.3	37.3	37.6	37.6	37.9
GE 7000	31.0	35.4	36.4	37.1	37.4	37.7	37.7	37.7	38.0	38.1	38.1	38.1	38.1	38.3	38.3	38.7
GE 6000	31.9	36.9	38.2	39.0	39.3	39.6	39.6	39.6	39.9	40.0	40.0	40.0	40.0	40.2	40.2	40.6
GE 5000	35.2	40.2	41.8	42.7	43.1	43.4	43.4	43.4	43.8	43.9	43.9	43.9	43.9	44.1	44.1	44.4
GE 4500	39.4	45.2	47.1	48.3	48.7	49.1	49.2	49.2	49.6	49.7	49.7	49.7	49.7	49.9	50.0	50.3
GE 4000	43.2	49.7	51.7	52.7	53.4	53.9	54.0	54.0	54.3	54.4	54.4	54.4	54.4	54.7	54.8	55.1
GE 3500	46.1	52.8	55.0	56.1	57.0	57.4	57.6	57.6	57.9	58.0	58.0	58.0	58.0	58.2	58.3	58.7
GE 3000	51.0	59.3	61.7	63.3	64.8	65.2	65.4	65.4	65.8	65.9	65.9	65.9	65.9	66.1	66.2	66.6
GE 2500	55.8	65.6	67.9	70.0	71.6	72.0	72.2	72.2	72.6	72.7	72.7	72.7	72.7	72.9	73.0	73.3
GE 2000	60.6	71.0	74.3	76.9	78.8	79.4	80.0	80.0	80.4	80.6	80.6	80.6	80.6	80.9	81.2	81.2
GE 1800	62.0	73.1	75.8	78.3	80.3	81.2	81.9	81.9	82.2	82.3	82.3	82.3	82.3	82.6	82.7	83.0
GE 1600	63.3	74.9	77.7	80.7	82.9	83.6	84.3	84.3	84.8	84.9	84.9	84.9	84.9	85.1	85.2	85.6
GE 1400	63.9	76.0	78.6	82.1	84.4	85.4	86.1	86.2	86.7	86.8	86.8	86.8	86.8	87.0	87.1	87.4
GE 1200	64.2	76.8	79.9	83.3	86.3	87.3	88.2	88.3	88.9	89.1	89.1	89.1	89.1	89.4	89.6	89.9
GE 1000	64.2	76.9	80.0	83.4	86.6	87.6	88.6	88.6	89.1	89.3	89.3	89.3	89.3	89.7	89.8	90.1
GE 900	64.3	77.1	80.3	83.8	87.0	88.1	89.1	89.2	89.8	90.0	90.0	90.0	90.0	90.3	90.4	90.8
GE 800	64.6	77.4	81.2	84.9	88.2	89.3	90.7	90.8	91.3	91.7	91.7	91.7	91.7	92.0	92.1	92.4
GE 700	64.7	78.0	81.3	85.3	88.8	90.1	91.7	91.9	92.4	92.6	92.6	92.6	92.6	93.0	93.2	93.7
GE 600	64.8	78.1	81.9	86.7	90.2	91.7	93.6	94.0	94.6	94.6	94.6	94.6	94.6	95.0	95.0	95.3
GE 500	64.8	78.1	82.1	86.9	90.6	92.0	94.0	94.6	95.1	95.1	95.1	95.1	95.1	95.7	95.7	96.0
GE 400	64.8	78.1	82.1	87.0	90.8	92.3	94.4	95.2	95.8	96.6	97.0	97.0	97.0	97.3	97.7	98.0
GE 300	64.8	78.1	82.1	87.0	90.8	92.3	94.4	95.1	95.8	96.6	97.0	97.0	97.0	97.3	97.7	98.0
GE 200	64.8	78.1	82.1	87.0	90.8	92.3	94.4	95.1	95.8	96.6	97.0	97.0	97.0	97.3	97.7	98.0
GE 100	64.8	78.1	82.1	87.0	90.8	92.3	94.4	95.1	95.8	96.6	97.0	97.0	97.0	97.3	97.7	98.0
GE 0	64.8	78.1	82.1	87.0	90.8	92.3	94.4	95.1	95.8	96.6	97.0	97.0	97.0	97.3	97.7	98.0

TOTAL NUMBER OF OBSERVATIONS: 600

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GF 6	GF 5	GE 4	GE 3	GE 2 1/2	GE 2	GF 1 1/2	GE 1 1/4	GE 1	GE 3/4	GL 5/8	GL 1/2	GE 7/16	GE 1/4	GE 0
NO CEIL	17.2	20.6	21.8	22.4	22.8	22.9	22.9	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.3
GE 20000	20.0	24.1	25.4	26.1	26.4	26.7	26.7	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	27.2
GE 18000	20.0	24.1	25.4	26.1	26.4	26.7	26.7	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	27.2
GE 16000	20.1	24.2	25.6	26.2	26.6	26.8	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.3
GE 14000	21.7	26.0	27.3	28.0	28.3	28.6	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	29.1
GE 12000	23.2	27.7	29.1	29.9	30.2	30.4	30.4	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	31.0
GE 10000	26.0	30.4	31.9	32.7	33.0	33.2	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.8
GE 9000	26.2	31.3	32.8	33.6	34.0	34.2	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.8
GE 8000	29.3	34.4	36.1	36.9	37.4	37.7	37.7	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	38.2
GE 7000	30.7	36.4	38.1	38.9	39.4	39.7	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	40.2
GE 6000	31.2	37.3	39.0	39.8	40.3	40.6	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	41.1
GE 5000	33.7	40.6	42.0	42.9	43.4	43.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	44.2
GE 4000	36.4	44.0	46.3	47.2	47.9	48.1	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.8
GE 3000	40.7	48.2	50.6	51.6	52.7	53.0	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.7
GE 2500	43.1	52.0	54.9	56.2	57.1	57.4	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.1
GE 2000	46.1	56.4	60.2	62.1	63.1	63.6	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.3
GE 1800	49.3	60.3	64.3	67.3	68.4	69.1	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.9
GE 1600	54.2	66.1	70.9	74.0	75.3	76.4	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.4
GE 1400	55.0	67.2	72.1	75.2	76.6	77.8	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.9
GE 1200	57.0	70.2	75.3	78.6	80.4	82.1	82.4	82.9	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.4
GE 1000	57.6	72.2	77.6	81.6	83.3	85.2	85.6	86.1	86.1	86.2	86.4	86.4	86.4	86.4	86.4	86.9
GE 900	59.0	73.3	79.1	83.4	85.7	88.1	88.4	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	90.2
GE 800	59.0	73.4	79.2	83.6	85.8	88.2	88.6	89.4	89.4	89.7	89.9	89.9	89.9	89.9	89.9	90.3
GE 700	59.0	73.6	79.3	83.9	86.3	88.6	89.4	90.3	90.3	90.7	91.1	91.3	91.3	91.3	91.3	91.8
GE 600	59.0	73.6	79.4	84.0	86.6	89.0	89.8	90.8	90.8	91.2	91.6	92.0	92.0	92.0	92.0	92.4
GE 500	59.0	73.6	79.6	84.4	87.0	89.6	90.6	91.6	91.7	92.3	92.7	93.3	93.3	93.3	93.3	93.8
GE 400	59.3	73.9	79.9	85.2	87.9	90.7	92.0	93.1	93.2	93.9	94.0	95.0	95.0	95.0	95.0	95.4
GE 300	59.3	74.0	80.0	85.6	89.2	91.4	92.2	94.7	94.8	95.4	96.7	96.7	96.8	96.8	96.8	97.2
GE 200	59.3	74.0	80.0	86.1	89.0	92.4	94.4	96.2	96.3	97.1	98.3	98.3	98.4	98.4	98.4	99.1
GE 100	59.3	74.0	80.0	86.1	89.0	92.4	94.6	96.6	96.8	97.6	98.3	98.8	98.9	99.0	99.0	99.7
GE	59.3	74.0	80.0	86.1	89.0	92.4	94.6	96.6	96.9	97.8	99.0	99.0	99.2	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 700

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	1/2	3/4	1	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	11
NO CLIL	19.3	22.7	23.4	23.9	24.0	24.1	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
GE 20000	21.9	25.3	26.1	26.6	26.7	26.8	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
GE 18000	22.0	25.4	26.2	26.7	26.8	26.9	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
GE 16000	22.7	25.7	26.6	27.0	27.1	27.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
GE 14000	23.3	26.9	27.9	28.3	28.6	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
GE 12000	25.7	29.6	30.6	31.1	31.3	31.4	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
GE 10000	27.7	31.7	32.8	33.3	33.6	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
GE 9000	28.3	32.3	33.4	34.0	34.3	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
GE 8000	30.3	34.6	35.9	36.6	37.0	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 7000	31.3	35.6	36.9	37.6	38.0	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 6000	31.8	36.2	37.6	38.2	38.7	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 5000	34.8	39.4	40.9	41.6	42.0	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 4000	38.4	44.2	45.7	46.3	46.9	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 3000	40.3	46.6	48.2	48.9	49.4	49.7	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 2000	44.2	51.7	53.6	54.3	55.0	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 1000	48.3	56.7	58.9	59.4	60.6	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 2000	50.4	61.3	64.2	65.4	66.7	67.1	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 2000	55.4	68.9	72.3	74.1	76.3	77.1	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 1800	59.7	70.1	73.0	75.3	77.6	78.3	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 1600	61.7	73.4	77.1	79.3	82.1	83.6	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 1400	62.6	75.0	78.9	81.4	84.9	86.7	87.3	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1200	62.9	75.8	79.8	82.6	86.2	88.1	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 1000	63.0	76.1	80.2	83.0	86.7	88.6	89.4	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 800	63.3	76.6	80.8	84.0	87.9	90.0	91.0	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 700	63.3	76.8	81.4	84.9	89.0	91.4	92.4	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 600	63.3	76.8	81.4	85.0	89.7	91.8	92.8	93.2	93.4	93.7	93.8	94.1	94.1	94.1	94.1	94.1
GE 500	63.4	76.9	81.9	85.4	90.0	92.8	93.9	94.4	94.7	94.9	95.1	95.6	95.6	95.6	95.6	95.6
GE 400	63.6	77.0	82.0	85.9	90.8	93.8	95.2	95.8	96.4	96.7	97.2	97.8	97.8	97.8	97.8	97.8
GE 300	63.6	77.2	82.2	86.2	91.2	94.4	96.0	96.6	97.3	97.6	98.1	98.8	98.9	99.0	99.0	99.1
GE 200	63.6	77.2	82.2	86.2	91.2	94.4	96.2	96.8	97.6	97.9	98.4	99.1	99.2	99.4	99.6	99.7
GE 100	63.6	77.2	82.2	86.2	91.2	94.7	96.4	97.1	97.9	98.2	98.8	99.4	99.6	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 775287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 4/16	GE 1/4	GE 0
NO CEIL	24.1	26.1	26.9	27.0	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
GE 2000	27.0	29.4	30.2	30.4	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
GE 1800	27.2	29.8	30.6	30.8	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
GE 1600	27.4	30.1	30.9	31.1	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
GE 1400	28.7	30.9	31.7	31.9	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
GE 1200	29.0	31.8	32.7	32.9	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
GE 1000	30.2	33.2	34.1	34.3	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 900	31.0	34.1	35.0	35.2	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 800	32.7	36.1	37.2	37.4	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
GE 700	34.7	38.3	39.6	39.9	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 600	35.8	39.7	41.0	41.4	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 500	37.0	42.4	43.8	44.3	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 400	42.9	48.1	49.7	50.4	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 300	44.7	50.1	51.7	52.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 200	44.1	54.8	56.7	57.8	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 100	52.0	59.2	61.4	62.0	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 2000	56.5	64.3	66.8	68.6	69.8	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 1800	61.3	71.3	74.2	76.4	78.1	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 1600	62.2	72.6	75.6	77.6	79.7	80.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 1400	63.9	74.8	78.6	81.3	83.4	84.8	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 1200	64.4	76.1	80.1	83.1	85.7	87.3	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 1000	64.6	76.3	80.8	84.0	86.9	89.3	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 900	64.6	76.2	80.9	84.2	87.4	89.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 800	64.8	76.7	81.2	85.0	88.3	90.6	92.0	92.0	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3
GE 700	64.8	76.8	81.3	85.1	88.8	91.2	92.4	92.4	92.7	92.9	93.1	93.1	93.1	93.1	93.1	93.1
GE 600	64.9	76.9	81.4	85.4	89.3	91.9	93.3	93.4	93.8	94.2	94.6	94.6	94.6	94.6	94.6	94.6
GE 500	64.9	77.0	81.6	85.6	89.6	92.2	93.8	94.2	94.6	95.2	95.6	96.0	96.0	96.0	96.0	96.0
GE 400	64.9	77.1	81.8	85.9	90.3	93.6	95.1	95.8	96.2	96.9	97.7	97.7	97.8	97.8	97.8	97.8
GE 300	64.9	77.2	82.1	86.3	90.9	94.1	95.8	96.6	97.1	97.6	98.6	98.6	98.7	98.7	98.7	98.7
GE 200	64.9	77.2	82.1	86.4	91.0	94.2	95.9	97.0	97.6	98.3	99.2	99.3	99.4	99.4	99.4	99.4
GE 100	64.9	77.2	82.1	86.4	91.0	94.2	95.9	97.1	97.8	98.7	99.7	99.7	99.8	100.0	100.0	100.0
GE 0	64.9	77.2	82.1	86.4	91.0	94.2	95.9	97.1	97.8	98.7	99.7	99.7	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(DLST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
NO CEIL	24.8	28.4	29.1	29.2	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.6
GE 20000	29.2	30.9	31.6	31.7	31.8	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	32.0
GE 18000	29.6	31.2	31.9	32.0	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3
GE 16000	29.6	31.2	31.9	32.0	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3
GE 14000	29.7	31.3	32.0	32.1	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4
GE 12000	29.8	32.4	33.1	33.2	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.6
GE 10000	32.3	34.1	34.8	34.9	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.2
GE 9000	32.1	35.0	35.7	35.8	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.1
GE 8000	34.0	36.1	37.0	37.1	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.4
GE 7000	34.4	36.8	37.7	37.8	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.1
GE 6000	36.3	38.7	39.6	39.6	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.1
GE 5000	42.3	45.0	46.0	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.6
GE 4500	47.6	50.9	52.0	52.3	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7
GE 4000	47.9	53.9	55.0	55.3	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8
GE 3500	54.4	59.0	60.1	60.4	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1
GE 3000	57.7	63.0	64.4	65.0	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8
GE 2500	63.2	69.0	70.6	71.3	71.8	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.2
GE 2000	69.4	76.0	78.0	78.9	79.6	79.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.3
GE 1800	70.3	77.1	79.2	80.3	81.0	81.3	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8
GE 1600	72.4	80.7	83.0	84.4	85.8	86.6	87.0	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.6
GE 1400	73.7	82.0	84.6	86.1	87.7	88.4	88.9	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.6
GE 1200	73.7	82.7	85.3	87.3	89.0	89.8	90.2	90.7	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.1
GE 1000	73.9	82.9	85.6	87.6	89.2	90.0	90.4	90.9	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.3
GE 900	74.1	83.3	86.1	88.1	89.8	90.9	91.3	91.9	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.3
GE 800	74.3	83.6	86.4	88.4	90.6	92.0	92.4	93.0	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.4
GE 700	74.3	83.7	86.6	88.6	90.9	92.4	93.1	93.7	93.7	93.9	94.2	94.2	94.2	94.2	94.2	94.3
GE 600	74.6	84.0	87.0	89.4	91.9	93.6	94.2	95.4	95.4	95.8	96.1	96.1	96.1	96.1	96.1	96.2
GE 500	74.6	84.2	87.6	90.2	92.8	95.0	95.9	97.1	97.1	97.4	97.8	97.8	97.9	97.9	97.9	98.0
GE 400	74.6	84.3	87.6	90.2	92.8	95.0	96.1	97.3	97.3	97.8	98.2	98.2	98.3	98.3	98.3	98.4
GE 300	74.6	84.3	87.6	90.2	92.8	95.1	96.4	97.9	97.9	98.3	98.8	98.8	98.9	98.9	98.9	99.1
GE 200	74.6	84.3	87.6	90.2	92.9	95.2	96.6	98.1	98.2	98.9	99.3	99.3	99.4	99.4	99.7	99.9
GE 100	74.6	84.3	87.6	90.2	92.9	95.2	96.6	98.1	98.2	98.9	99.3	99.3	99.4	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LEFT): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1	1/2	5/8	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	5
NO CEIL	29.2	30.2	30.9	31.6	31.8	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
GE 2000	32.0	33.0	33.7	34.4	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 1800	32.1	33.1	33.8	34.6	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
GE 1600	32.1	33.1	33.8	34.6	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
GE 1400	32.2	33.2	33.9	34.7	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
GE 1200	32.9	33.9	34.6	35.3	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
GE 1000	34.3	35.4	36.1	36.9	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
GE 900	35.0	36.3	37.0	37.8	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 800	35.9	37.3	38.0	38.8	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 700	37.9	39.4	40.1	40.9	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 600	40.0	41.7	42.3	43.1	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 500	43.3	45.4	46.1	46.9	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 450	47.0	49.9	50.8	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 400	50.6	54.0	54.9	55.8	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 350	53.9	57.9	59.1	60.1	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 300	57.4	62.2	63.7	64.9	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 250	64.8	70.7	72.4	73.6	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 200	70.3	78.0	80.0	81.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 180	71.3	79.0	81.0	82.8	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 150	71.7	80.0	82.3	84.2	85.1	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 120	72.3	81.3	84.0	86.0	87.1	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 100	72.9	82.3	85.1	87.3	88.7	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 90	73.1	82.8	85.6	87.8	89.1	90.0	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 80	73.3	83.2	86.4	89.1	90.4	91.6	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 70	73.6	83.4	86.9	89.7	91.1	92.2	92.7	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 60	73.6	83.6	87.2	90.1	91.6	92.8	93.3	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 50	73.7	83.9	87.7	90.9	92.7	94.6	95.4	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 40	73.8	84.2	88.2	91.6	93.7	95.8	96.9	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 30	73.8	84.2	88.2	91.8	93.9	96.1	97.2	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 20	73.8	84.2	88.2	91.8	93.9	96.1	97.2	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 10	73.8	84.2	88.2	91.8	93.9	96.1	97.2	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
LAFAYETTE  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(EST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9
NO CEIL	23.1	25.3	26.0	26.4	26.7	26.6	26.8	26.9	27.0	27.0	27.0	27.1	27.1	27.1	27.1	27.2	27.3
GE 20000	25.6	28.0	28.7	29.2	29.4	29.6	29.6	29.7	29.8	29.8	29.8	29.9	29.9	29.9	29.9	30.0	30.1
GE 18000	25.7	28.1	28.9	29.3	29.6	29.7	29.7	29.8	29.9	30.0	30.0	30.0	30.0	30.0	30.0	30.1	30.3
GE 16000	25.8	28.3	29.0	29.4	29.7	29.8	29.9	30.0	30.1	30.1	30.1	30.2	30.2	30.2	30.2	30.2	30.4
GE 14000	26.3	28.8	29.6	29.8	30.0	30.3	30.4	30.4	30.5	30.6	30.7	30.7	30.7	30.7	30.7	30.8	31.0
GE 12000	27.4	30.1	30.9	31.3	31.6	31.7	31.8	31.9	31.9	32.0	32.0	32.1	32.1	32.1	32.1	32.1	32.3
GE 10000	29.3	32.1	32.9	33.4	33.7	33.8	33.8	33.9	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.2	34.3
GE 9000	30.0	33.0	33.8	34.3	34.6	34.7	34.8	34.8	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.1	35.3
GE 8000	32.7	35.9	36.6	37.0	37.3	37.5	37.5	37.6	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.9	38.0
GE 7000	33.6	37.0	37.9	38.4	38.8	38.9	39.0	39.1	39.2	39.2	39.2	39.3	39.3	39.3	39.3	39.3	39.5
GE 6000	34.7	38.3	39.3	39.9	40.2	40.4	40.4	40.5	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.8	40.9
LE 5000	38.0	42.5	43.7	44.3	44.7	44.9	44.9	45.0	45.1	45.1	45.1	45.2	45.2	45.2	45.2	45.3	45.4
GE 4500	42.6	47.5	48.9	49.6	50.0	50.2	50.3	50.4	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.7	50.8
GE 4000	45.9	51.1	52.5	53.3	53.8	54.0	54.1	54.2	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.5	54.6
GE 3500	49.7	55.6	57.2	58.1	59.7	58.9	59.0	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.6
GE 3000	53.2	60.4	62.3	63.4	64.1	64.4	64.5	64.7	64.8	64.8	64.8	64.9	64.9	64.9	64.9	65.0	65.1
GE 2500	68.3	66.3	68.5	69.6	70.9	71.3	71.4	71.6	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.9	72.1
GE 2000	63.8	73.2	75.8	77.7	79.0	79.6	79.9	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.6
GE 1800	64.9	74.4	77.1	78.9	80.3	80.9	81.3	81.5	81.6	81.7	81.7	81.8	81.8	81.8	81.8	81.8	82.0
GE 1600	66.4	76.6	79.6	81.9	83.0	84.5	85.0	85.3	85.4	85.5	85.6	85.6	85.6	85.6	85.7	85.7	85.9
GE 1400	67.0	76.1	81.3	83.6	85.5	86.7	87.3	87.6	87.9	87.6	87.9	87.9	87.9	87.9	88.0	88.0	88.2
GE 1200	67.4	79.9	82.3	84.9	87.1	88.4	89.1	89.5	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.1	90.3
GE 1000	67.5	79.1	82.5	85.2	87.4	88.7	89.5	89.9	90.1	90.2	90.3	90.3	90.3	90.4	90.4	90.4	90.6
GE 900	67.7	79.4	83.0	85.8	88.1	89.6	90.5	90.9	91.1	91.3	91.4	91.5	91.5	91.5	91.5	91.6	91.8
GE 800	67.8	79.7	83.5	86.5	89.0	90.6	91.5	92.0	92.2	92.4	92.6	92.7	92.7	92.7	92.7	92.8	92.9
GE 700	67.9	79.9	83.7	86.9	89.5	91.3	92.3	92.9	93.1	93.4	93.6	93.8	93.8	93.9	93.9	94.1	94.1
GE 600	68.0	80.1	84.2	87.7	90.5	92.4	93.7	94.4	94.7	95.1	95.6	95.7	95.7	95.7	95.7	95.8	95.9
GE 500	68.1	80.3	84.5	88.1	91.1	93.5	94.9	95.8	96.2	96.7	97.3	97.4	97.4	97.5	97.5	97.5	97.7
GE 400	68.1	80.3	84.6	88.4	91.4	93.8	95.4	96.5	96.9	97.5	98.1	98.2	98.3	98.3	98.4	98.6	98.6
GE 300	68.1	80.3	84.6	88.4	91.5	93.9	95.6	96.9	97.4	98.1	98.7	98.8	98.9	99.0	99.1	99.3	99.3
GE 200	68.1	80.3	84.6	88.4	91.5	94.0	95.7	97.0	97.5	98.3	98.9	99.1	99.2	99.3	99.4	99.4	99.8
GE 100	68.1	80.3	84.6	88.4	91.5	94.0	95.7	97.0	97.5	98.3	98.9	99.1	99.2	99.3	99.4	99.4	99.8
GE 0	68.1	80.3	84.6	88.4	91.5	94.0	95.7	97.0	97.5	98.3	98.9	99.1	99.2	99.3	99.4	99.4	99.8

TOTAL NUMBER OF OBSERVATIONS: 7700



GLOBAL CLIMATOLOGY BRANCH  
LSAFETYAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
NO CEIL	21.2	23.6	24.0	24.1	24.4	24.5	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8
GE 20000	22.2	24.9	25.2	25.3	25.6	25.7	25.8	25.9	25.9	25.9	25.9	25.9	25.9	25.9	26.0	26.0
GE 18000	22.3	25.1	25.3	25.4	25.7	25.8	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.1
GE 16000	22.3	25.1	25.3	25.4	25.7	25.8	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.1
GE 14000	22.5	25.3	25.5	25.6	25.9	26.0	26.1	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.3	26.3
GE 12000	23.0	25.8	26.0	26.1	26.5	26.6	26.7	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.9	26.9
GE 10000	25.3	28.1	28.3	28.4	28.7	28.8	28.9	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.1	29.1
GE 9000	25.7	28.7	28.9	29.0	29.4	29.5	29.6	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.8	29.8
GE 8000	27.1	30.3	30.5	30.6	31.0	31.1	31.2	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.4	31.4
GE 7000	27.3	30.5	30.8	30.9	31.2	31.3	31.4	31.5	31.5	31.5	31.5	31.5	31.6	31.6	31.7	31.7
GE 6000	28.7	31.9	32.2	32.3	32.6	32.7	32.8	32.9	32.9	32.9	32.9	32.9	33.0	33.0	33.1	33.1
GE 5000	31.0	34.5	34.8	34.9	35.4	35.6	35.7	35.8	35.8	35.8	35.8	35.8	35.9	35.9	36.0	36.0
GE 4500	34.7	39.0	39.6	39.7	40.1	40.3	40.4	40.5	40.5	40.5	40.5	40.5	40.6	40.6	40.8	40.8
GE 4000	37.0	41.9	42.7	42.8	43.2	43.4	43.5	43.7	43.7	43.7	43.7	43.7	43.8	43.8	43.9	43.9
GE 3500	41.3	46.3	47.3	47.4	48.0	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.8	48.8	48.9	48.9
GE 3000	45.7	50.9	52.2	52.4	52.9	53.4	53.7	53.8	53.8	53.8	53.8	53.8	53.9	53.9	54.0	54.0
GE 2500	50.8	57.0	58.8	59.4	60.1	60.8	61.1	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.4	61.4
GE 2000	58.0	66.5	69.0	70.4	71.6	72.4	73.1	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.4	73.4
GE 1800	59.6	68.8	71.5	73.0	74.3	75.1	75.8	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.1	76.1
GE 1600	62.2	72.9	75.9	78.0	79.8	80.5	81.4	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.8	81.8
GE 1400	63.4	74.9	78.0	80.2	82.2	83.1	84.1	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.6	84.6
GE 1200	63.8	75.7	78.9	81.4	83.7	84.6	85.6	85.9	85.9	85.9	86.0	86.0	86.1	86.1	86.2	86.2
GE 1000	63.8	75.8	79.0	81.7	84.1	85.6	86.8	87.2	87.2	87.3	87.4	87.6	87.7	87.7	87.8	87.8
GE 900	64.2	76.5	79.8	82.6	85.4	87.1	88.7	89.2	89.5	89.7	90.0	90.1	90.2	90.2	90.3	90.3
GE 800	64.2	76.6	79.9	82.8	85.8	87.6	89.4	90.0	90.3	90.9	91.4	91.5	91.6	91.6	91.7	91.7
GE 700	64.3	76.9	80.2	83.1	86.1	88.1	89.9	91.1	91.5	92.4	93.3	93.5	93.8	93.8	94.0	94.0
GE 600	64.5	77.1	80.4	83.3	86.3	88.3	90.4	91.6	92.2	93.0	94.3	94.5	94.8	94.8	95.1	95.1
GE 500	64.6	77.2	80.5	83.5	86.6	88.7	91.3	92.7	93.3	94.3	95.6	95.9	96.2	96.2	96.7	96.7
GE 400	64.6	77.2	80.5	83.5	86.6	88.7	91.3	92.7	93.5	94.5	96.1	96.7	97.1	97.4	98.0	98.1
GE 300	64.6	77.2	80.5	83.5	86.6	88.7	91.3	92.7	93.7	94.9	97.0	97.6	98.2	98.6	99.1	99.4
GE 200	64.6	77.2	80.5	83.5	86.6	88.7	91.3	92.7	93.7	94.9	97.0	97.6	98.3	98.7	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0300-0500

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	19.9	22.0	22.5	22.5	22.5	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.7	22.7	22.7	22.8
GE 20000	21.4	23.5	24.0	24.0	24.0	24.0	24.0	24.1	24.1	24.1	24.1	24.1	24.1	24.2	24.2	24.2	24.3
GE 18000	21.6	24.0	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.7
GE 16000	21.6	24.0	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.7
GE 14000	21.7	24.1	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.8
GE 12000	22.0	24.4	24.9	24.9	24.9	25.1	25.1	25.2	25.2	25.2	25.2	25.2	25.2	25.3	25.3	25.3	25.4
GE 10000	22.6	26.1	26.7	26.7	26.7	26.8	26.8	26.9	26.9	26.9	26.9	26.9	26.9	27.0	27.0	27.0	27.1
GE 9000	24.1	26.6	27.1	27.1	27.1	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.3	27.4	27.4	27.4	27.5
GE 8000	25.3	27.7	28.3	28.3	28.3	28.4	28.4	28.5	28.5	28.5	28.5	28.5	28.5	28.6	28.6	28.6	28.7
GE 7000	25.9	28.5	29.0	29.0	29.0	29.1	29.1	29.2	29.2	29.2	29.2	29.2	29.2	29.4	29.4	29.4	29.5
GE 6000	27.6	30.2	30.8	30.8	30.8	30.9	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.1	31.1	31.1	31.2
GE 5000	32.5	33.9	34.4	34.4	34.4	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.7	34.7	34.7	34.8
GE 4500	35.9	40.0	40.6	40.6	40.6	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	41.0	41.0	41.0	41.1
GE 4000	38.2	43.0	43.7	43.7	43.7	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	44.0	44.0	44.0	44.1
GE 3500	42.9	48.1	49.0	49.0	49.0	49.2	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.7
GE 3000	46.9	52.5	53.5	53.5	54.0	54.1	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.7
GE 2500	51.6	59.2	61.2	61.0	62.0	62.2	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.8
GE 2000	57.3	67.0	69.8	70.9	71.6	71.8	72.4	72.7	72.7	72.8	72.8	72.8	72.8	72.9	72.9	72.9	73.1
GE 1800	59.8	68.5	71.4	72.7	73.7	73.9	74.4	74.7	74.7	74.8	74.8	74.8	74.8	74.9	74.9	74.9	75.2
GE 1600	61.9	72.6	76.3	78.1	79.2	79.6	81.2	81.6	81.6	81.7	81.7	81.7	81.7	81.8	81.8	81.8	82.2
GE 1400	63.5	74.9	78.8	80.5	81.8	82.4	83.9	84.3	84.3	84.4	84.4	84.4	84.4	84.5	84.7	84.7	84.9
GE 1200	64.1	76.0	79.4	81.6	83.2	84.0	85.6	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.5	86.5	86.7
GE 1000	64.6	76.7	80.5	82.7	84.2	84.9	86.6	87.1	87.1	87.2	87.2	87.2	87.2	87.3	87.5	87.5	87.7
GE 900	64.7	76.9	80.8	83.1	84.8	85.9	88.0	88.5	88.5	88.6	88.8	88.8	88.8	88.9	89.1	89.1	89.4
GE 800	64.7	77.1	81.0	83.8	85.7	86.9	88.9	89.5	89.6	89.6	89.8	89.9	89.9	90.0	90.2	90.2	90.4
GE 700	64.7	77.1	81.1	84.0	86.2	87.5	89.8	90.3	90.4	90.6	91.0	91.0	91.0	91.1	91.3	91.3	91.5
GE 600	64.7	77.0	81.3	84.5	87.1	88.5	91.3	91.9	92.3	92.8	93.4	93.4	93.4	93.5	93.8	93.8	94.0
GE 500	64.6	77.3	81.4	84.8	87.4	88.8	91.9	92.9	93.4	94.3	94.9	94.9	94.9	95.1	95.3	95.3	95.5
GE 400	64.7	77.3	81.4	84.8	87.4	88.9	92.4	93.5	94.2	95.2	95.8	95.8	95.8	96.1	96.6	96.6	96.8
GE 300	64.6	77.3	81.4	85.1	87.6	89.2	92.7	93.9	94.7	95.8	96.9	96.9	96.9	97.2	98.1	98.3	98.6
GE 200	64.9	77.3	81.4	85.1	87.6	89.2	92.8	94.0	94.9	96.1	97.5	97.5	97.5	98.0	98.9	99.1	99.7
GE 100	64.8	77.3	81.4	85.1	87.6	89.2	92.8	94.0	94.9	96.1	97.5	97.5	97.5	98.0	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0600-0800

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	1	GE 10	GE 6	GE 5	GE 4	GE 3	2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	3/4	5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	1	17.4	19.1	19.7	19.8	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.4	20.4
GE 20000	18.9	20.6	21.3	21.4	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	22.0	22.0
GE 18000	19.7	21.1	21.6	21.7	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.4	22.4
GE 16000	19.0	21.1	21.6	21.7	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.4	22.4
GE 14000	19.2	21.5	22.0	22.2	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.8	22.8
GE 12000	19.9	22.4	22.9	23.0	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.7	23.7
GE 10000	21.2	23.6	24.3	24.5	25.1	25.1	25.1	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.3	25.4
GE 9000	21.6	24.7	25.4	25.6	26.1	26.1	26.1	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.3	26.5
GE 8000	24.0	27.3	28.1	28.3	28.8	28.8	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.1	29.2
GE 7000	29.9	29.4	29.1	29.4	29.9	29.9	29.9	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.3	30.4
GE 6000	27.4	29.1	29.2	30.0	30.5	30.5	30.5	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	31.0	31.1
GE 5000	28.1	32.0	32.9	33.1	33.8	33.8	33.8	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.2	34.3
GE 4500	33.5	38.3	39.1	39.4	40.0	40.0	40.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.4	40.5
GE 4000	35.3	40.4	41.5	42.0	42.8	42.8	42.8	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.2	43.3
GE 3500	38.0	43.9	45.2	45.6	46.6	46.6	46.6	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.1	47.2
GE 3000	41.1	47.5	48.8	49.5	50.5	50.5	50.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.1	51.2
GE 2500	45.2	54.3	56.2	57.4	58.8	58.8	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.4	59.5
GE 2000	51.1	61.9	64.6	66.2	68.5	68.5	68.5	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.2	69.4
GE 1800	52.3	63.5	66.3	68.0	69.7	69.8	70.2	70.6	70.6	70.6	70.6	70.6	70.9	70.9	70.9	71.0	71.1
GE 1600	55.2	68.5	72.0	74.1	76.3	76.6	77.3	78.1	78.2	78.5	78.6	78.6	78.6	78.6	78.6	78.7	78.8
GE 1400	56.8	71.4	75.1	77.3	80.3	80.6	81.8	82.7	82.9	83.3	83.7	83.7	83.7	83.7	83.9	84.0	84.1
GE 1200	58.1	73.5	77.3	79.6	82.6	83.1	84.4	85.6	85.8	86.3	86.7	86.7	86.7	86.7	86.9	87.0	87.1
GE 1000	59.4	74.2	78.1	80.3	83.3	83.9	85.2	86.3	86.6	87.1	87.4	87.4	87.4	87.4	87.6	87.7	87.8
GE 900	58.5	74.2	78.4	80.8	83.9	84.5	86.0	87.4	87.6	88.3	88.9	89.0	89.0	89.0	89.2	89.4	89.5
GE 800	58.5	74.4	78.5	81.0	84.2	85.2	86.7	88.1	88.6	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 700	58.5	74.5	78.6	81.2	84.4	85.4	87.0	88.6	89.1	90.0	90.9	91.0	91.0	91.0	91.2	91.4	91.5
GE 600	58.5	74.8	78.9	81.5	84.7	85.9	87.7	89.5	90.1	91.3	92.2	92.4	92.4	92.4	92.6	92.8	92.9
GE 500	58.6	74.9	79.2	81.9	85.4	86.6	88.9	91.2	92.0	93.3	94.4	94.7	94.7	94.7	94.9	95.2	95.3
GE 400	58.6	74.9	79.2	82.3	85.8	87.2	89.7	92.2	93.1	94.5	95.8	96.1	96.1	96.1	96.3	96.6	96.7
GE 300	58.6	74.9	79.2	82.3	85.9	87.5	90.3	92.9	94.2	95.7	97.4	97.8	97.8	97.8	98.2	98.5	98.6
GE 200	58.6	74.9	79.2	82.3	85.9	87.5	90.3	93.0	94.5	96.0	97.0	98.5	98.6	98.6	98.9	99.6	99.8
GE 100	58.6	74.9	79.2	82.3	85.9	87.5	90.3	93.0	94.5	96.0	97.0	98.5	98.6	98.6	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86

MONTH: DEC

HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	1	GE 1	GF 1	GF 5	GF 4	GF 3	GF 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GF 1	GF 3/4	GF 5/8	GF 1/2	GF 5/16	GF 1/4	GF 0
NO CEIL	15.9	17.3	17.6	17.6	17.6	17.7	17.6	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	18.2
GE 20000	18.1	20.1	20.4	20.4	20.5	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.8	21.1
GE 18000	18.4	20.4	20.8	20.8	20.9	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.1	21.4
GE 16000	18.7	20.6	21.1	21.1	21.2	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.4	21.7
GE 14000	19.1	21.3	21.6	21.6	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.9	22.3
GE 12000	20.1	22.3	22.7	22.7	22.9	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.1	23.4
GE 10000	22.2	24.3	24.7	24.7	24.9	25.1	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.4	25.7
GE 9000	23.1	25.4	26.0	26.1	26.5	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.9	27.2
GE 8000	25.2	28.1	29.0	29.2	29.8	29.9	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.2	30.5
GE 7000	26.5	29.9	30.5	31.1	31.6	31.7	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	32.0	32.4
GE 6000	27.0	30.5	31.5	31.7	32.3	32.4	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.7	33.0
GE 5000	29.5	33.5	34.6	34.8	35.4	35.5	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.8	36.1
GE 4000	30.6	35.5	36.8	37.0	38.0	38.1	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.7	39.0
GE 3000	32.2	37.3	38.7	39.2	40.3	40.4	40.9	40.9	41.0	41.0	41.0	41.1	41.1	41.1	41.1	41.2	41.5
GE 2000	33.5	39.0	40.4	41.0	42.0	42.2	42.9	42.9	43.0	43.1	43.1	43.2	43.2	43.2	43.2	43.3	43.7
GE 1000	36.5	43.0	44.7	45.6	47.0	47.5	48.3	48.3	48.4	48.5	48.5	48.6	48.6	48.6	48.6	48.7	49.0
GE 500	40.4	49.8	52.5	54.6	56.7	56.8	57.5	57.5	57.6	57.7	58.0	58.0	58.0	58.0	58.0	58.1	58.4
GE 200	45.4	57.1	60.8	63.5	66.1	66.9	68.2	68.4	68.5	68.7	68.9	68.9	68.9	68.9	68.9	69.0	69.4
GE 100	46.7	59.2	62.9	66.1	69.2	70.0	71.3	71.5	71.6	71.8	72.0	72.0	72.0	72.0	72.0	72.2	72.5
GE 50	43.5	62.7	67.1	71.5	75.5	76.3	78.1	78.5	78.7	79.1	79.4	79.4	79.4	79.4	79.4	79.5	79.8
GE 20	42.0	62.3	67.8	72.6	76.9	78.1	79.9	80.5	80.8	81.3	81.8	81.9	82.0	82.0	82.0	82.2	82.5
GE 10	49.4	64.4	69.4	74.4	79.1	80.4	82.4	83.0	83.3	84.1	84.8	84.9	85.1	85.1	85.1	85.2	85.5
GE 5	49.6	64.7	69.9	74.9	79.8	81.2	83.2	83.9	84.3	85.1	85.8	85.9	86.0	86.1	86.1	86.2	86.6
GE 2	49.7	65.3	70.4	75.9	81.2	83.0	85.2	86.0	86.6	87.5	88.7	88.8	89.0	89.1	89.2	89.2	89.6
GE 1	49.8	65.5	70.6	76.1	81.5	83.3	85.8	86.9	87.4	88.6	90.1	90.3	90.5	90.6	90.6	90.8	91.4
GE 0	49.8	65.7	71.0	76.5	82.0	84.1	86.7	87.7	88.5	89.7	91.3	91.7	92.5	92.6	92.6	92.8	93.4
GE 0	49.8	65.0	71.1	76.6	82.5	84.7	87.5	88.6	89.6	90.9	93.0	93.4	94.4	94.7	94.7	95.3	96.0
GE 0	49.8	65.6	71.1	77.1	83.0	85.3	88.3	89.4	90.4	91.9	94.3	94.9	96.2	96.7	96.7	97.2	98.0
GE 0	49.8	65.8	71.1	77.2	83.1	85.6	88.7	90.2	91.5	93.0	95.4	96.1	97.5	98.1	98.1	98.6	99.4
GE 0	49.8	65.8	71.1	77.2	83.1	85.6	88.9	90.4	91.7	93.2	95.6	96.3	97.7	98.3	98.3	98.9	99.7
GE 0	49.8	65.8	71.1	77.2	83.1	85.6	88.9	90.4	91.7	93.2	95.6	96.3	97.7	98.4	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 430

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC FOURTH LAST: 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0	
NO CEIL	17.6	18.3	18.4	18.4	18.5	18.6	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	
GE 20000	20.3	21.2	21.3	21.3	21.4	21.6	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	
GE 18000	20.4	21.3	21.4	21.4	21.5	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	
GE 16000	20.6	21.5	21.6	21.6	21.7	21.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	
GE 14000	21.2	22.0	22.2	22.2	22.3	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	
GE 12000	22.5	23.4	23.5	23.5	23.7	23.9	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	
GE 10000	24.1	25.3	25.5	25.6	25.7	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	
GE 9000	24.9	26.1	26.6	26.7	26.8	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	
GE 8000	27.2	29.5	29.9	30.0	30.1	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	
GE 7000	28.4	30.2	30.6	30.9	31.0	31.2	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	
GE 6000	28.7	30.6	31.1	31.3	31.4	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	
GE 5000	31.1	33.5	34.1	34.4	34.6	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	
GE 4500	32.9	35.6	36.6	36.9	37.3	37.5	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	
GE 4000	34.5	37.7	38.7	39.5	40.1	40.4	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	
GE 3500	37.1	40.8	41.9	42.7	43.4	43.8	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	
GE 3000	39.8	43.8	45.5	46.3	47.2	47.5	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	
GE 2500	44.5	51.2	53.5	55.4	56.7	57.2	57.7	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	
GE 2000	49.4	58.2	61.3	63.7	65.9	67.4	68.5	68.9	69.0	69.4	69.5	69.5	69.5	69.5	69.5	69.5	
GE 1800	50.8	59.9	63.4	66.0	68.3	69.8	70.9	71.4	71.5	71.6	71.9	71.9	71.9	71.9	71.9	71.9	
GE 1600	51.9	62.4	66.9	69.8	72.7	74.8	76.6	77.1	77.2	77.7	78.0	78.0	78.0	78.0	78.0	78.0	
GE 1200	52.6	63.2	67.8	71.2	74.3	77.3	79.1	79.9	80.1	80.8	81.0	81.0	81.0	81.0	81.0	81.0	
GE 1000	50.9	64.2	69.0	72.5	76.7	79.9	81.7	82.8	83.2	83.9	84.5	84.5	84.7	84.7	84.7	84.8	
GE 900	57.2	64.6	69.8	73.4	77.7	81.2	83.1	84.2	84.7	85.5	86.1	86.1	86.3	86.5	86.6	86.8	
GE 800	53.3	64.9	70.1	74.2	79.2	82.9	85.1	86.2	87.0	87.7	88.4	88.4	88.7	88.8	88.9	89.2	
GE 700	53.4	65.5	70.8	74.8	80.3	84.0	86.1	87.3	88.2	89.0	90.4	90.4	91.0	91.2	91.3	91.6	
GE 600	53.4	65.5	70.9	75.1	81.1	84.8	87.1	88.4	89.2	90.4	91.8	91.9	92.6	92.8	93.1	93.4	
GE 500	53.4	65.5	70.9	75.3	81.5	85.6	88.0	89.4	90.2	91.6	93.4	93.8	94.5	94.9	95.3	95.7	
GE 400	53.4	65.6	71.0	75.6	82.0	86.3	88.7	90.4	91.6	93.1	95.1	95.5	96.5	97.2	97.6	98.1	
GE 300	53.4	65.6	71.0	75.6	82.0	86.5	88.9	90.6	91.8	93.3	95.4	95.8	96.9	97.8	98.4	98.8	
GE 200	53.4	65.6	71.0	75.6	82.0	86.5	88.9	90.6	91.8	93.3	95.6	96.1	97.3	98.5	99.4	99.7	
GE 100	53.4	65.6	71.0	75.6	82.0	86.5	88.9	90.6	91.8	93.3	95.6	96.1	97.3	98.5	99.4	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725207 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/2	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15
NO CEIL	17.4	17.8	18.2	18.6	19.0	19.4	19.8	20.2	20.6	21.0	21.4	21.8	22.2	22.6	23.0	23.4
GE 20000	19.8	20.2	20.6	21.0	21.4	21.8	22.2	22.6	23.0	23.4	23.8	24.2	24.6	25.0	25.4	25.8
GE 18000	20.0	20.4	20.8	21.2	21.6	22.0	22.4	22.8	23.2	23.6	24.0	24.4	24.8	25.2	25.6	26.0
GE 16000	20.2	20.6	21.0	21.4	21.8	22.2	22.6	23.0	23.4	23.8	24.2	24.6	25.0	25.4	25.8	26.2
GE 14000	20.4	20.8	21.2	21.6	22.0	22.4	22.8	23.2	23.6	24.0	24.4	24.8	25.2	25.6	26.0	26.4
GE 12000	21.0	21.4	21.8	22.2	22.6	23.0	23.4	23.8	24.2	24.6	25.0	25.4	25.8	26.2	26.6	27.0
GE 10000	23.2	24.4	24.7	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
GE 9000	24.2	25.6	26.0	26.1	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
GE 8000	24.2	26.2	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
GE 7000	24.6	26.8	27.2	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
GE 6000	27.6	29.7	30.1	30.4	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
GE 5000	30.4	32.9	33.3	33.8	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
GE 4500	32.4	35.4	35.8	36.7	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 4000	34.4	38.1	39.0	39.9	40.4	40.5	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 3500	36.9	41.2	42.5	43.5	44.1	44.2	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 3000	40.6	45.0	47.7	49.1	50.0	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 2500	45.2	53.1	56.3	58.0	59.1	59.6	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 2000	47.8	58.1	62.4	65.3	67.3	68.3	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 1800	48.8	59.6	64.3	67.4	69.6	70.6	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 1600	50.4	62.4	67.7	71.4	73.8	75.3	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 1400	50.6	63.3	69.1	73.2	76.0	78.1	79.2	80.1	80.9	81.0	81.6	81.8	81.8	81.8	81.8	81.8
GE 1200	51.6	65.1	71.1	75.5	78.8	81.0	82.3	83.2	84.2	84.4	85.4	85.6	85.7	85.7	85.7	85.7
GE 1000	51.9	65.2	71.2	75.6	79.2	81.6	83.1	84.1	85.1	85.5	86.5	86.7	86.8	86.8	86.8	86.8
GE 900	52.0	65.5	71.6	76.3	80.4	82.9	84.6	85.6	86.6	87.0	88.4	88.7	88.9	89.0	89.0	89.0
GE 800	52.0	65.5	71.6	76.5	80.6	83.2	84.9	86.1	87.3	88.0	89.8	90.1	90.4	90.5	90.5	90.5
GE 700	52.2	65.6	71.9	76.9	81.3	84.0	86.0	87.2	88.4	89.2	91.3	91.8	92.2	92.6	92.9	93.0
GE 600	52.2	65.7	72.0	77.1	81.7	84.7	87.0	88.3	89.5	90.3	92.4	92.9	93.2	93.8	94.2	94.4
GE 500	52.2	65.8	72.2	77.5	82.3	85.4	87.8	89.1	90.5	91.7	94.0	94.5	94.9	95.6	96.3	96.6
GE 400	52.2	65.8	72.2	77.6	82.4	85.6	88.3	89.7	91.1	92.4	94.9	95.7	96.2	97.1	97.8	98.1
GE 300	52.2	65.8	72.2	77.7	82.5	85.7	88.4	89.6	91.4	92.9	95.5	96.2	96.8	97.8	98.8	99.2
GE 200	52.2	65.8	72.2	77.7	82.5	85.7	88.4	89.6	91.4	93.0	95.7	96.6	97.2	98.5	99.5	99.9
GE 100	52.2	65.8	72.2	77.7	82.5	85.7	88.4	89.6	91.4	93.0	95.7	96.6	97.2	98.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 75287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	19.4	20.0	20.0	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
GE 20000	20.5	22.2	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
GE 18000	20.8	22.4	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
GE 16000	20.9	22.4	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
GE 14000	21.1	22.7	22.8	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
GE 12000	22.2	24.0	24.1	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
GE 10000	24.0	25.6	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
GE 9000	25.2	27.7	27.8	28.0	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
GE 8000	27.5	29.5	29.6	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
GE 7000	29.5	30.6	30.9	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
GE 6000	32.2	32.7	32.8	32.9	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
GE 5000	37.5	36.6	36.8	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 4500	35.9	38.9	39.2	39.4	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 4000	38.1	41.7	42.0	42.2	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 3500	41.2	45.5	45.9	46.0	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 3000	45.1	50.5	51.2	51.4	52.4	52.6	52.6	52.7	52.7	52.7	52.9	52.9	52.9	52.9	52.9	52.9
GE 2500	51.6	58.4	59.4	59.7	60.9	61.2	61.2	61.3	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5
GE 2000	55.8	64.4	66.5	67.4	69.5	70.0	70.1	70.3	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5
GE 1800	57.1	66.3	68.7	69.8	71.8	72.4	72.5	72.7	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9
GE 1600	59.7	70.2	73.1	74.4	76.8	77.6	78.0	78.3	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 1400	60.6	71.9	75.1	76.6	79.9	80.1	80.4	81.1	81.2	81.7	81.7	81.7	81.8	81.8	81.8	81.8
GE 1200	62.0	73.7	77.1	78.7	81.4	82.7	83.1	84.0	84.4	84.9	84.9	84.9	84.9	85.1	85.1	85.1
GE 1000	62.2	73.6	77.3	78.9	81.8	83.2	83.7	84.6	85.1	85.6	85.6	85.6	85.6	85.7	85.7	85.7
GE 900	62.4	74.1	77.7	79.6	83.0	84.8	85.4	86.6	87.0	87.6	87.6	87.6	87.6	88.0	88.0	88.0
GE 800	62.5	74.3	78.3	80.6	84.4	86.8	87.4	88.7	89.2	89.9	90.2	90.2	90.2	90.4	90.4	90.4
GE 700	62.6	74.5	78.5	81.2	84.9	87.5	88.3	89.9	90.5	91.3	91.7	91.7	91.9	92.3	92.3	92.8
GE 600	62.6	74.6	78.6	81.4	85.5	88.8	90.0	91.6	92.3	93.0	93.4	93.7	94.1	94.1	94.2	94.6
GE 500	62.6	74.7	78.9	81.5	85.6	89.5	91.1	92.7	93.3	94.3	94.8	95.2	95.6	95.6	95.7	96.1
GE 400	62.6	74.9	79.1	81.7	86.1	90.3	92.2	94.2	94.9	95.9	96.7	97.0	97.4	97.4	97.5	98.0
GE 300	62.6	74.9	79.1	81.7	86.1	90.3	92.3	94.7	95.5	96.6	97.3	97.7	98.2	98.4	98.6	99.0
GE 200	62.6	74.9	79.1	81.7	86.1	90.3	92.3	94.7	95.9	97.0	98.1	98.6	99.0	99.2	99.5	99.9
GE 100	62.6	74.9	79.1	81.7	86.1	90.3	92.3	94.7	95.9	97.0	98.1	98.6	99.0	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 250

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-84  
MONTH: DEC HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
NO CEIL	20.0	20.9	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
GE 20000	21.4	22.4	22.7	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
GE 18000	21.4	22.4	22.7	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
GE 16000	21.4	22.4	22.7	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
GE 14000	21.4	22.4	22.7	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
GE 12000	21.4	22.4	23.2	23.2	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
GE 10000	23.7	24.7	25.1	25.1	25.1	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
GE 9000	24.5	25.5	25.1	26.1	26.1	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
GE 8000	25.7	27.1	27.4	27.4	27.4	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
GE 7000	26.2	27.7	28.1	28.1	28.1	28.4	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
GE 6000	26.0	29.6	29.9	29.9	29.9	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
GE 5000	32.4	34.3	34.6	34.6	34.6	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE 4500	36.1	38.4	38.7	38.9	39.0	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
GE 4000	34.2	41.0	41.5	41.7	41.8	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 3500	41.3	44.7	45.3	45.5	46.7	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 3000	47.1	51.0	51.6	51.8	52.4	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 2500	53.8	59.4	60.4	61.0	62.2	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 2000	67.0	68.4	70.3	71.3	73.1	73.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 1800	67.1	69.0	71.0	72.0	73.9	74.5	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 1600	62.3	72.2	74.5	75.9	78.2	79.0	79.9	79.9	79.9	80.0	80.1	80.2	80.2	80.2	80.2	80.2
GE 1400	53.2	74.2	76.6	78.1	80.5	81.6	82.6	82.7	82.7	82.8	83.1	83.2	83.3	83.3	83.3	83.3
GE 1200	63.7	75.1	77.6	79.5	82.4	83.4	84.5	84.8	85.2	85.4	85.7	85.8	86.0	86.0	86.0	86.0
GE 1000	63.7	75.1	77.6	79.5	82.4	83.5	84.6	84.9	85.3	85.5	85.8	85.9	86.1	86.1	86.1	86.1
GE 900	63.9	75.4	78.4	80.4	83.8	85.1	86.1	86.7	87.0	87.2	87.5	87.6	87.8	87.8	87.8	87.8
GE 800	64.0	75.6	78.7	81.1	84.8	86.2	87.3	88.2	88.5	88.7	89.1	89.2	89.5	89.5	89.5	89.5
GE 700	64.1	75.9	79.1	81.4	85.3	86.9	88.1	88.9	89.2	89.6	90.1	90.3	90.8	90.8	90.9	90.9
GE 600	64.1	76.1	79.5	81.7	85.9	86.0	89.4	90.5	91.1	91.4	92.3	92.6	93.0	93.0	93.1	93.1
GE 500	64.1	76.2	79.6	81.9	86.3	86.6	90.3	91.7	92.5	93.0	94.0	94.3	94.9	94.9	95.1	95.1
GE 400	64.2	76.6	79.9	82.5	87.1	87.6	91.3	93.1	93.8	94.4	95.7	96.0	96.8	96.9	97.0	97.0
GE 300	64.2	76.6	79.9	82.5	87.1	87.6	91.4	93.3	94.1	94.7	96.1	96.6	97.4	97.8	98.0	98.0
GE 200	64.2	76.6	79.9	82.5	87.1	87.6	91.4	93.3	94.4	95.2	96.9	97.6	98.7	99.2	99.4	99.5
GE 100	64.2	76.6	79.9	82.5	87.1	87.6	91.4	93.3	94.4	95.2	96.9	97.6	98.7	99.2	99.4	99.5

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	18.5	19.9	20.2	20.2	20.4	20.4	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.6
GE 20000	20.3	21.9	22.2	22.3	22.4	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.7
GE 16000	20.5	22.2	22.5	22.5	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.9
GE 14000	20.6	22.2	22.5	22.6	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.9	22.9	22.9	23.0
GE 12000	20.8	22.6	22.9	22.9	23.1	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.3
GE 10000	21.6	23.5	23.8	23.8	24.0	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.2	24.2
GE 8000	23.4	25.3	25.6	25.7	25.9	26.0	26.0	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.2
GE 6000	24.3	26.3	26.7	26.8	27.0	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.3	27.3
GE 4000	26.1	28.5	28.9	29.0	29.3	29.4	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.6
GE 3000	28.6	29.4	29.8	30.0	30.2	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.5	30.5	30.5	30.6
GE 2000	27.9	30.5	31.0	31.2	31.4	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.7	31.7	31.7	31.8
GE 1000	30.8	33.9	34.4	34.6	34.9	35.0	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.3
GE 800	34.0	37.7	38.3	38.6	39.0	39.1	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.4	39.4
GE 600	36.0	40.1	41.0	41.4	41.9	42.0	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.4	42.4
GE 400	39.0	43.7	44.7	45.1	45.8	46.0	46.2	46.3	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.5
GE 300	42.8	48.1	49.4	50.0	50.8	51.1	51.4	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.7
GE 2500	47.9	55.3	57.3	58.4	59.5	59.9	60.2	60.3	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.6
GE 2000	53.1	62.7	65.6	67.3	69.1	69.8	70.6	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.1	71.2
GE 1800	54.2	64.4	67.4	69.4	71.3	72.0	72.7	73.0	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.4
GE 1500	56.5	68.0	71.7	74.1	76.5	77.5	78.6	79.0	79.1	79.3	79.5	79.5	79.5	79.5	79.6	79.7
GE 1200	57.5	69.7	73.5	76.2	78.9	80.2	81.4	82.0	82.2	82.5	82.7	82.8	82.9	82.9	82.9	83.0
GE 1000	58.2	71.0	75.0	77.9	81.0	82.4	83.7	84.4	84.8	85.1	85.5	85.6	85.7	85.8	85.8	85.9
GE 800	58.4	71.3	75.4	78.4	81.5	83.1	84.4	85.2	85.5	86.0	86.3	86.4	86.5	86.6	86.7	86.8
GE 600	58.5	71.5	75.6	79.0	82.6	84.3	85.9	86.8	87.2	87.7	88.3	88.4	88.5	88.6	88.7	88.8
GE 400	58.6	71.8	76.2	79.6	83.4	85.3	87.0	88.0	88.5	89.1	89.9	90.1	90.3	90.4	90.4	90.6
GE 300	58.7	71.9	76.4	79.8	83.9	86.0	87.8	88.9	89.5	90.2	91.2	91.4	91.7	91.9	92.1	92.3
GE 2500	58.7	72.1	76.6	80.2	84.4	86.8	88.8	90.1	90.8	91.7	92.9	93.2	93.6	93.8	94.1	94.3
GE 2000	58.8	72.2	76.7	80.5	84.8	87.4	89.7	91.1	92.0	93.1	94.5	94.8	95.3	95.7	95.9	96.2
GE 1800	58.8	72.3	76.8	80.7	85.1	87.8	90.3	92.0	93.0	94.1	95.7	96.1	96.7	97.1	97.4	97.7
GE 1600	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.4	94.6	96.3	96.8	97.4	98.0	98.5	98.9
GE 1400	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 1200	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 1000	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 800	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 600	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 400	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 300	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 2500	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 2000	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 1800	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 1600	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 1400	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 1200	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 1000	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 800	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 600	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 400	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 300	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 2500	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 2000	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 1800	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 1600	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 1400	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 1200	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 1000	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 800	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 600	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 400	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 300	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 2500	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 2000	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 1800	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 1600	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 1400	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 1200	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 1000	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 800	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 600	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 400	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 300	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5	94.9	96.8	97.4	98.1	98.8	99.3	99.7
GE 2500	58.8	72.3	76.8	80.7	85.1	87.9	90.5	92.3	93.5							

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 775287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-87  
MONTH: ALL HOURS(EST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 3 1/2	GE 4	GE 4 1/2	GE 5	GE 5 1/2	GE 6	GE 6 1/2	GE 7	GE 7 1/2	GE 8	GE 8 1/2
NO CEIL	32.2	36.1	37.3	38.1	38.6	38.9	39.0	39.1	39.2	39.2	39.2	39.2	39.3	39.3	39.3	39.4
GE 20000	35.0	39.5	40.8	41.7	42.3	42.6	42.8	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.1	43.1
GE 18000	35.2	39.7	41.0	41.9	42.5	42.8	43.0	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.3	43.3
GE 16000	35.3	39.8	41.1	42.1	42.7	43.0	43.1	43.2	43.3	43.3	43.3	43.3	43.4	43.4	43.4	43.5
GE 14000	35.8	40.4	41.8	42.6	43.4	43.7	43.8	44.0	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.2
GE 12000	37.1	42.0	43.4	44.4	45.1	45.4	45.5	45.7	45.7	45.7	45.9	45.9	45.8	45.8	45.9	45.9
GE 10000	39.0	44.3	45.8	47.0	47.7	48.0	48.2	48.3	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.6
GE 9000	39.7	45.1	46.7	47.9	48.7	49.0	49.2	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.6	49.6
GE 8000	41.5	47.4	49.0	50.4	51.2	51.6	51.8	51.9	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.2
GE 7000	42.5	48.5	50.3	51.7	52.5	52.9	53.2	53.3	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.6
GE 6000	43.5	49.8	51.6	53.1	54.0	54.4	54.6	54.6	54.8	54.9	54.9	54.9	55.0	55.0	55.0	55.1
GE 5000	46.1	53.0	55.0	56.6	57.6	58.1	58.3	58.5	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.8
GE 4000	48.6	56.4	58.5	60.3	61.5	62.0	62.3	62.4	62.5	62.6	62.6	62.6	62.6	62.7	62.7	62.7
GE 3000	50.4	58.6	60.9	62.8	64.1	64.7	65.0	65.2	65.3	65.3	65.4	65.4	65.4	65.4	65.5	65.5
GE 2000	52.6	61.4	64.0	66.0	67.4	68.1	68.5	68.7	68.7	68.8	68.9	68.9	68.9	68.9	69.0	69.0
GE 1000	55.3	64.9	67.7	70.1	71.7	72.4	72.8	73.1	73.1	73.2	73.3	73.3	73.3	73.4	73.4	73.4
GE 2500	59.1	68.7	71.9	74.4	76.2	77.1	77.6	77.9	78.0	78.1	78.2	78.2	78.2	78.3	78.3	78.3
GE 2000	60.7	72.5	76.1	79.1	81.2	82.4	83.1	83.5	83.6	83.7	83.8	83.8	83.9	83.9	83.9	84.0
GE 1900	61.3	73.3	77.0	80.1	82.3	83.5	84.2	84.6	84.8	84.9	85.0	85.0	85.0	85.1	85.1	85.2
GE 1800	62.5	75.2	79.2	82.6	85.1	86.6	87.5	88.0	88.2	88.4	88.5	88.5	88.5	88.6	88.6	88.7
GE 1700	62.9	76.0	80.2	83.8	86.5	88.1	89.1	89.7	89.9	90.1	90.3	90.3	90.4	90.4	90.4	90.5
GE 1600	63.2	76.6	80.9	84.7	87.7	89.4	90.6	91.3	91.6	91.8	92.0	92.1	92.1	92.2	92.2	92.3
GE 1500	63.3	76.7	81.1	84.9	87.9	89.7	90.9	91.7	91.9	92.2	92.5	92.6	92.6	92.6	92.6	92.7
GE 1400	63.4	76.9	81.4	85.4	88.5	90.4	91.8	92.5	92.8	93.2	93.4	93.5	93.6	93.6	93.6	93.7
GE 1300	63.4	77.1	81.7	85.8	89.0	91.0	92.5	93.3	93.6	94.0	94.3	94.4	94.5	94.5	94.6	94.7
GE 1200	63.5	77.2	81.9	86.0	89.4	91.5	93.1	94.0	94.4	94.8	95.2	95.3	95.4	95.4	95.5	95.6
GE 1100	63.5	77.4	82.1	86.4	89.9	92.2	93.9	94.9	95.4	95.9	96.3	96.4	96.6	96.7	96.7	96.8
GE 1000	63.5	77.4	82.2	86.6	90.2	92.7	94.5	95.6	96.1	96.7	97.2	97.3	97.5	97.6	97.7	97.8
GE 900	63.5	77.4	82.3	86.7	90.4	92.9	94.9	96.1	96.7	97.3	97.7	98.1	98.3	98.4	98.6	98.7
GE 800	63.5	77.4	82.3	86.7	90.4	93.0	95.0	96.4	97.0	97.7	98.4	98.5	98.8	99.0	99.2	99.3
GE 700	63.5	77.4	82.3	86.7	90.4	93.0	95.0	96.4	97.1	97.8	98.5	98.7	99.0	99.3	99.5	99.8
GE 600	63.5	77.4	82.3	86.7	90.4	93.0	95.0	96.4	97.1	97.8	98.5	98.7	99.0	99.3	99.5	99.8
GE 500	63.5	77.4	82.3	86.7	90.4	93.0	95.0	96.4	97.1	97.8	98.5	98.7	99.0	99.3	99.5	99.8
GE 400	63.5	77.4	82.3	86.7	90.4	93.0	95.0	96.4	97.1	97.8	98.5	98.7	99.0	99.3	99.5	99.8
GE 300	63.5	77.4	82.3	86.7	90.4	93.0	95.0	96.4	97.1	97.8	98.5	98.7	99.0	99.3	99.5	99.8
GE 200	63.5	77.4	82.3	86.7	90.4	93.0	95.0	96.4	97.1	97.8	98.5	98.7	99.0	99.3	99.5	99.8
GE 100	63.5	77.4	82.3	86.7	90.4	93.0	95.0	96.4	97.1	97.8	98.5	98.7	99.0	99.3	99.5	99.8
GE 0	63.5	77.4	82.3	86.7	90.4	93.0	95.0	96.4	97.1	97.8	98.5	98.7	99.0	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 27643

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 7P-87  
MONTH: JAN

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN	TOTAL OBS
	0	1	2	3	4	5	6	7	8	9	10		
00-02	3.6			12.2						13.7	70.5	8.6	924
03-05	3.2			13.7						13.5	69.6	8.6	928
06-08	1.8			14.2						15.0	69.0	8.7	928
09-11	.2			13.7						24.3	61.8	8.8	929
12-14	.5			14.8						26.0	58.6	8.6	930
15-17	.3			14.7						24.2	60.7	8.7	929
18-20	1.7			17.1						17.4	63.8	8.5	925
21-23	2.5			13.4						17.2	67.0	8.6	926
TOTALS	1.7			14.2						18.9	65.1	8.6	7419

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 7P-87  
MONTH: FEB

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN	TOTAL OBS
	0	1	2	3	4	5	6	7	8	9	10		
00-02	8.1			17.4						17.4	57.1	7.8	840
03-05	7.6			17.4						16.7	58.1	7.8	845
06-08	3.7			15.6						18.3	62.4	8.4	845
09-11	1.2			15.3						25.3	58.2	8.6	845
12-14	.7			16.2						28.4	54.7	8.5	846
15-17	1.2			16.3						27.2	55.3	8.5	846
18-20	4.1			20.7						20.3	54.8	7.9	846
21-23	7.3			16.9						18.8	55.0	7.8	846
TOTALS	4.3			17.2						21.6	57.0	8.2	6759

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: MAR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	14.5			21.1						15.1	49.4	6.9	926
03-05	14.2			20.9						15.0	49.9	7.0	928
06-08	4.0			23.5						21.3	51.2	7.7	924
09-11	3.3			24.6						22.0	50.1	7.7	927
12-14	4.2			20.1						25.7	50.0	7.9	930
15-17	3.2			20.2						26.7	49.8	8.0	929
18-20	4.7			20.6						23.0	51.7	7.9	929
21-23	14.2			17.5						19.2	49.0	7.2	930
TOTALS	7.8			21.1						21.0	50.1	7.5	7423

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: APR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	22.1			18.7						14.2	45.0	6.3	900
03-05	18.4			20.3						12.9	48.3	6.6	896
06-08	7.3			25.0						21.1	46.7	7.3	896
09-11	5.7			21.9						26.3	46.1	7.6	900
12-14	3.1			21.8						26.9	48.2	7.9	899
15-17	2.7			25.1						26.0	46.2	7.7	899
18-20	4.7			25.8						22.4	47.1	7.5	900
21-23	17.3			20.9						18.3	43.4	6.6	900
TOTALS	10.2			22.4						21.0	46.4	7.2	7190

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 74-87  
MONTH: MAY

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN
00-02	23.0			24.1						18.6	34.3	5.8
03-05	14.8			26.5						21.0	37.6	6.5
06-08	5.5			26.9						24.9	40.7	7.2
09-11	4.9			28.2						25.7	41.2	7.3
12-14	3.5			29.1						30.1	37.2	7.3
15-17	3.9			25.2						33.9	37.0	7.5
18-20	3.5			30.3						29.7	36.5	7.2
21-23	15.4			30.9						21.0	32.7	6.1
TOTALS	9.3			27.9						25.6	37.2	6.9

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 74-87  
MONTH: JUL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN
00-02	23.9			29.0						18.6	28.6	5.4
03-05	13.7			32.7						22.1	31.6	6.1
06-08	7.8			31.6						28.3	32.3	6.7
09-11	5.3			31.9						30.7	32.1	6.9
12-14	2.1			33.4						36.7	27.6	7.1
15-17	2.9			37.0						31.9	28.1	6.8
18-20	3.7			37.1						32.9	26.3	6.7
21-23	12.5			40.0						20.9	26.7	5.7
TOTALS	9.0			34.1						27.8	29.2	6.4

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	19.8			77.0						21.3	21.9	5.2	916
03-05	13.4			37.2						23.3	26.1	5.8	919
06-08	7.1			36.4						28.9	27.6	6.5	920
09-11	4.0			37.1						32.5	26.4	6.7	925
12-14	.9			25.5						29.0	24.6	7.0	930
15-17	2.0			40.2						36.7	21.1	6.6	930
18-20	2.5			44.9						33.6	19.0	6.3	925
21-23	10.3			45.1						23.7	20.9	5.6	923
TOTALS	7.5			39.2						29.9	23.5	6.2	7388

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: AUG

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	19.8			26.9						20.8	30.5	5.8	919
03-05	15.2			30.9						23.4	30.5	6.1	922
06-08	2.8			33.5						31.0	32.7	7.1	927
09-11	2.9			26.9						37.6	32.5	7.4	925
12-14	.6			26.9						42.3	30.1	7.6	929
15-17	1.4			22.5						38.7	27.4	7.2	928
18-20	4.0			34.8						21.1	30.1	6.9	926
21-23	14.4			24.7						23.3	27.6	5.9	926
TOTALS	7.6			31.1						31.0	30.2	6.8	7402

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: SEP

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	20.2			26.9						15.1	37.9	5.9	890
03-05	17.9			28.0						16.8	37.2	6.1	892
06-08	4.3			32.0						27.4	36.2	7.1	883
09-11	4.6			29.8						31.2	34.4	7.1	893
12-14	2.3			27.6						36.4	33.7	7.5	896
15-17	3.5			30.5						35.8	30.2	7.2	894
18-20	6.0			30.9						31.5	31.5	6.9	895
21-23	15.6			29.9						19.2	35.3	6.2	892
TOTALS	9.3			29.6						26.7	34.6	6.8	7135

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: OCT

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	13.9			23.4						19.2	43.5	6.8	922
03-05	14.0			21.1						19.7	45.2	6.9	919
06-08	3.8			26.1						28.6	41.5	7.5	916
09-11	3.5			22.6						32.5	41.4	7.7	930
12-14	3.2			20.4						34.8	41.5	7.9	927
15-17	5.7			21.3						32.2	40.9	7.6	930
18-20	8.1			25.4						24.8	41.8	7.2	929
21-23	14.0			24.4						22.1	39.5	6.7	927
TOTALS	4.3			23.1						26.7	41.9	7.3	7400

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725297 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	7.4			16.2						17.8	58.6	7.9	888
03-05	7.1			14.2						19.3	59.5	8.1	888
06-08	1.9			18.1						23.0	57.0	8.3	890
09-11	.3			15.5						28.5	55.7	8.6	896
12-14	.4			15.7						29.4	54.5	8.6	898
15-17	.6			16.1						26.6	56.7	8.5	898
18-20	3.1			20.5						19.8	56.6	8.1	896
21-23	5.6			19.4						20.9	53.9	7.9	896
TOTALS	3.3			17.6						23.2	56.6	8.3	7150

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	4.3			16.7						14.0	65.1	8.3	930
03-05	4.0			15.7						17.2	63.1	8.3	927
06-08	1.7			15.4						18.1	64.8	8.6	930
09-11	.3			12.6						23.3	63.7	8.8	926
12-14	.3			14.0						22.6	63.1	8.8	930
15-17	.4			12.9						21.1	65.6	8.8	930
18-20	1.9			14.6						17.5	65.9	8.6	930
21-23	2.7			16.1						14.9	66.2	8.5	930
TOTALS	2.0			14.6						18.6	64.7	8.6	7433



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-87  
MONTH: ALL

		PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											TOTAL	
	HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	OBS
JAN	ALL	1.7			14.2						18.9	45.1	8.6	7419
FEB		4.3			17.2						21.6	47.0	8.2	6759
MAR		7.8			21.1						21.0	50.1	7.5	7423
APR		10.2			22.4						21.0	46.4	7.2	7190
MAY		9.3			27.9						25.6	37.2	6.9	7410
JUN		9.0			34.1						27.8	29.2	6.4	7171
JUL		7.5			39.2						29.9	23.5	6.2	7388
AUG		7.6			31.1						31.0	30.2	6.8	7402
SEP		9.3			29.5						26.7	34.6	6.8	7135
OCT		8.3			23.1						26.7	41.9	7.3	7400
NOV		3.3			17.0						23.2	56.6	8.3	7150
DEC		2.0			14.8						18.6	64.7	8.6	7433
TOTALS		6.7			24.3						24.3	44.7	7.4	87280

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## TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

### EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

### MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 725287

STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 68-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 95					.2	2.0	5.0	2.9	1.4				.9
GE 85					2.5	11.2	28.2	17.3	6.2				5.4
GE 80				1.8	9.6	33.1	58.3	47.9	16.4	1.6			13.9
GE 75			.3	5.6	22.8	56.6	84.2	77.5	74.8	6.5	.2		23.7
GE 70			1.5	13.4	37.8	78.6	96.5	93.1	56.2	18.0	1.2	.1	32.6
GE 65			3.4	21.9	57.1	91.9	99.7	98.8	77.3	34.6	5.1	.3	40.3
GE 60		.4	6.5	35.2	74.5	97.3	100.0	99.9	91.6	53.2	13.6	2.0	47.3
GE 55	.3	2.1	12.3	50.4	86.6	99.1		100.0	98.2	71.3	25.1	5.1	53.6
GE 50	2.8	4.6	20.1	64.9	95.4	100.0			99.9	85.4	40.8	8.1	59.6
GE 45	6.8	10.6	32.2	81.6	99.2				100.0	55.5	57.1	15.6	66.1
GE 40	14.0	20.8	48.9	91.1	99.9					98.9	75.3	28.2	72.7
GE 35	32.7	41.2	69.2	97.1	100.0					100.0	90.8	53.0	81.7
GE 30	51.3	61.9	86.1	99.0							97.9	74.0	69.0
GE 25	70.8	76.8	94.0	99.6							99.5	86.6	93.9
GE 20	84.3	89.2	98.5	100.0							99.9	94.6	97.2
GE 15	93.9	95.2	99.8								100.0	98.5	98.9
GE 10	98.1	98.6	100.0									99.6	99.7
GE 5	99.6	99.8										100.0	99.9
GE 0	100.0	100.0											100.0
MEAN	29.7	32.0	40.6	55.0	66.3	75.5	80.5	78.8	71.1	60.2	47.3	35.3	56.0
SD	9.834	10.737	11.166	11.704	9.828	7.645	5.789	5.962	8.374	9.436	10.107	9.907	20.225
TOTAL OBS	949	848	930	900	930	919	909	868	840	902	910	961	10865

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 725287

STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 68-87

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 75F								.5					.C
GE 70F						1.0	8.8	8.5	2.7				1.7
GE 65F					1.0	11.5	31.4	29.1	10.4	.3			6.8
GE 60F				.2	5.1	32.4	65.0	56.2	22.4	2.0		.1	15.0
GE 55F				2.0	16.9	58.0	88.6	82.4	41.3	6.8	1.5		24.6
GE 50F			.4	6.7	32.6	80.7	99.2	95.3	66.2	23.4	4.8	.4	33.6
GE 45F		.4	1.9	15.0	56.0	95.8	100.0	99.5	83.1	44.3	12.4	1.6	41.9
GE 40F	.4	1.2	4.8	32.6	80.1	99.7		100.0	96.3	65.9	24.7	3.4	50.2
GE 35F	3.5	4.8	13.9	57.3	94.7	99.9			99.3	85.4	46.2	10.6	59.1
GE 30F	6.7	9.1	21.1	66.9	98.0	100.0			99.6	90.7	57.5	18.6	63.5
GE 25F	13.5	18.5	34.7	80.8	99.7				100.0	96.3	72.9	30.2	70.1
GE 20F	27.6	32.2	57.8	94.1	100.0					99.9	90.0	51.0	79.1
GE 15F	42.8	48.6	77.6	98.3						100.0	97.0	67.8	85.8
GE 10F	60.7	64.4	89.2	99.4							98.4	81.7	91.1
GE 5F	77.6	77.0	95.6	100.0							99.5	90.9	95.0
GE 0F	89.0	90.3	98.3								99.8	96.3	97.8
GE -5F	95.4	96.7	99.6								99.9	99.2	99.2
GE -10F	98.0	99.3	99.8								100.0	99.9	99.7
GE -15F	99.8	99.8	100.0									100.0	100.0
GE -20F	99.9												100.0
GE -25F	100.0	100.0											
MEAN	17.3	18.6	25.7	36.3	46.2	55.9	61.6	60.4	53.1	43.5	34.4	23.6	39.7
SU	10.370	10.582	8.869	8.030	7.695	6.781	5.522	6.324	8.263	8.039	8.537	9.911	17.512
TOTAL OBS	949	846	930	900	930	918	909	868	840	902	910	961	10865

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MEAN TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 725287

STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 68-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 80						.2	5.1	3.7	1.4				.9
GE 75					1.2	9.5	27.2	21.1	6.9				5.4
GE 70				.4	6.1	31.5	63.6	53.2	18.7	1.3			14.3
GE 65				3.0	17.2	58.6	90.8	83.1	56.9	5.9	.2	.1	24.3
GE 60			.4	8.6	35.2	83.0	99.3	97.0	62.6	19.0	2.0		33.4
GE 55			1.9	17.8	58.9	95.6	100.0	99.5	83.9	37.8	7.4	.5	41.4
GE 50	.1	.6	5.5	34.1	79.0	99.3		100.0	96.2	56.9	18.2	2.2	48.9
GE 45	1.1	2.2	11.1	53.1	93.3	100.0			99.4	81.5	33.2	5.6	56.1
GE 40	4.5	6.4	23.9	75.6	99.2				100.0	93.8	54.2	12.8	63.7
GE 35	13.6	19.7	43.6	89.7	100.0					99.3	77.6	29.7	72.4
GE 30	29.5	36.7	67.1	97.1						100.0	91.9	54.3	81.1
GE 25	47.7	56.1	83.4	99.0							97.8	72.2	87.9
GE 20	67.3	71.6	92.6	99.7							99.5	84.9	92.9
GE 15	82.4	85.6	98.5	100.0							99.8	94.2	96.7
GE 10	92.8	94.6	99.5								100.0	98.6	98.8
GE 5	98.1	98.3	99.9									99.6	99.7
GE 0	99.4	99.6	100.0									100.0	99.9
GE -5	99.9	100.0											100.0
GE -10	100.0												100.0
MEAN	23.8	25.6	33.4	45.9	56.5	65.9	71.3	69.2	62.4	52.0	41.1	29.7	48.1
SD	9.564	9.847	9.369	9.262	8.061	6.536	5.016	5.563	7.717	7.990	8.753	9.400	18.571
TOTAL OBS	949	848	930	900	930	918	909	868	840	962	910	961	10865

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 68-87

YEAR	WHOLE DEGREES FAHRENHEIT -M-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
51						*85	89	90	88	84	62	61	
52	53	52	67	73	78	91	93	90	92	79	67	58	93
53	56	59	67	64	84	92	91	93	96	81	68	57	96
54	48	61	63	75	80	87	90	87	85	80	64	47	90
55	48	49	61	76	87	88	94	93	89	79	65	51	94
56	38	50	50	67	80	90	89	87	85	77	73	57	90
57	52	60	70	83	79	93	87	89	85	73	63	61	93
58	42	48	61	78	82	82	87	88	83	79	70	46	88
59	52	45	55	75	85	88	90	93	93	78	70	49	93
60	39	47	65	78	82	87	88						
61													
62	*41						*78			*66	79	59	
63	*45	40	71	72	78	93	90	81	79	*80	64	60	
64	52	45	58	76	82	90	*88			79	63	49	93
68													
69	51	48	65	79	81	92	89	89	89	84	*57	51	
70	46	47	51	82	85	88	88	88	89	81	65	41	92
71	47	57	57	68	87	87	86	86	85	80	72	62	87
72	56	39	45	64	82	80	85	88	85	76	63	56	88
73	57	56	69	78	75	83	87	93	90	75	62	60	93
74	54	54	68	76	83	87	89	86	79	74	68	46	89
75	54	52	54	72	82	84	89	93	77	77	70	60	93
76	44	56	74	84	77	89	65	93	88	80	59	48	93
77	33	54	79	83	92	87	94	89	89	70	78	57	94
78	44	31	51	68	86	90	93	92	85	72	68	51	93
79	53	41	71	75	86	86	93	88	87	81	66	60	93
80	53	49	59	73	89	92	92	90	86	75	62	59	92
81	49	64	69	74	83	88	88	83	82	71	64	44	88
82	50	45	68	80	83	82	90	83	86	78	69	71	90
83	46	55	70	69	80	92	95	87	87	80	65	46	95

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 OBS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS JAP NY

PERIOD OF RECORD: 51-64, 68-87

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
54	39	59	54	70	86	87	88	86	81	75	70	61	88
65	54	55	69	84	82	85	89	87	86	73	70	56	89
66	49	41	74	84	83	83	88	86	81	69	65	45	88
87	44	43	75	82	89	90							
MEAN	48.4	50.1	63.7	75.7	82.9	87.8	89.5	88.5	85.9	77.1	67.0	54.5	91.2
S.D.	6.069	7.625	8.600	5.897	3.823	3.520	2.681	3.294	4.374	3.979	4.616	7.147	2.593
TOTAL OBS	949	848	930	900	930	918	909	868	840	902	910	961	10865

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 OBS)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 68-87

YEAR	WHOLE DEGREES FAHRENHEIT -M-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
51						*53	52	45	34	31	-2	3	
52	1	7	16	20	35	46	54	48	41	23	4	12	3
53	8	8	8	28	38	45	46	49	38	32	27	9	8
54	-3	1	12	12	33	45	50	46	37	31	24	6	-3
55	2	-1	11	27	36	48	52	51	41	32	12	-4	-4
56	4	5	8	24	30	45	51	48	35	32	13	7	4
57	-16	8	17	23	30	41	49	46	30	29	17	9	-16
58	4	-3	22	24	32	37	52	45	40	28	7	3	-3
59	3	-1	8	28	31	45	50	48	36	30	14	8	-1
60	7	7	-8	27	33	44	49						
61										*32	25	4	
62	*1						*60			*29	23	-2	
63	*-6	-5	5	26	29	46	51	49	32	32	24	1	*-6
64	3	5	17	18	39	41	*57						
68											*27	2	
69	0	6	14	21	36	43	51	49	42	27	21	-2	-2
70	-6	-3	12	23	29	44	52	54	47	32	25	4	-6
71	1	0	12	21	33	47	51	42	41	38	11	11	0
72	-2	-1	10	12	34	33	46	45	47	25	20	16	-2
73	7	-2	20	24	37	50	50	51	34	33	17	2	-2
74	6	-6	6	21	31	46	53	55	34	26	18	14	-8
75	8	6	11	19	37	44	50	49	39	25	29	6	6
76	-10	-6	9	22	32	41	53	45	37	24	6	0	-10
77	-10	2	19	17	36	41	53	47	45	32	21	1	-10
78	5	-4	2	23	29	42	51	54	39	29	19	5	-4
79	-1	-17	11	19	30	42	52	49	38	32	22	10	-17
80	8	-2	1	25	39	40	55	57	37	30	20	-8	-8
81	-8	-1	9	23	34	41	53	50	34	27	21	11	-8
82	-13	3	10	14	38	46	51	40	43	30	22	5	-13
83	0	1	8	24	34	40	56	53	41	26	20	0	0

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 OBS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 51-64, 68-87

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
84	-17	2	-6	28	36	43	48	50	40	32	22	16	-10
85	-3	1	12	21	34	44	52	47	42	26	26	7	-3
86	-9	5	-1	27	33	39	51	43	39	28	14	13	-9
87	2	-2	10	19	34	46							
MEAN	-1.7	.4	9.4	22.3	33.7	43.2	51.1	48.4	39.4	29.4	18.1	5.5	-4.5
S.D.	6.903	5.423	7.089	4.587	3.039	3.455	2.235	3.966	3.704	3.315	7.215	5.876	6.275
TOTAL OBS	949	848	930	900	930	918	909	868	840	902	910	561	10865

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

DRY-BULB TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LSI														
00-02	MEAN	22.6	23.2	30.0	41.3	51.7	59.6	66.2	64.9	78.4	47.7	39.5	29.8	44.7
	SD	10.193	11.468	10.290	8.434	8.277	7.265	5.805	6.370	6.539	8.517	9.001	10.527	17.516
	TOT OBS	929	843	930	900	930	900	930	930	900	930	900	930	10952
03-05	MEAN	22.0	22.5	29.5	40.0	50.0	58.1	64.5	63.3	57.1	46.8	39.0	29.2	43.6
	SD	10.624	11.600	10.586	8.634	8.580	7.505	6.175	6.759	8.675	8.782	9.163	10.515	17.328
	TOT OBS	927	843	930	900	930	900	930	930	900	930	900	930	10950
06-08	MEAN	21.6	22.2	29.9	41.5	53.1	61.9	68.1	65.8	56.5	47.2	38.8	29.1	44.9
	SD	10.834	11.750	10.867	8.950	8.683	7.210	5.851	6.457	6.366	8.771	9.280	10.531	16.457
	TOT OBS	928	843	930	900	930	900	930	929	900	929	900	930	10949
09-11	MEAN	23.3	25.4	34.8	47.9	60.2	66.4	75.0	72.6	65.2	53.3	42.1	30.7	50.0
	SD	10.245	11.189	11.164	10.914	9.666	7.713	5.902	5.793	7.577	8.141	9.620	10.206	20.029
	TOT OBS	930	846	930	900	930	900	930	927	899	930	900	930	10952
12-14	MEAN	25.7	28.7	38.7	51.8	64.4	72.2	78.7	76.2	68.8	56.9	44.5	22.8	53.4
	SD	9.498	10.835	11.752	11.840	10.354	8.214	6.361	6.008	8.054	8.457	10.136	9.917	20.506
	TOT OBS	930	846	928	900	930	898	930	929	900	930	900	930	10951
15-17	MEAN	25.6	29.8	38.4	52.4	64.8	72.7	79.2	76.5	68.8	56.1	43.7	32.4	53.5
	SD	9.447	10.804	11.561	11.566	10.257	8.075	6.003	6.124	8.160	8.367	9.694	9.749	20.626
	TOT OBS	930	846	928	900	930	900	930	930	900	930	900	930	10954
18-20	MEAN	23.6	26.0	35.0	47.7	60.4	66.6	75.1	72.0	63.6	51.2	41.0	30.8	49.7
	SD	9.616	10.555	10.356	10.075	9.340	7.576	5.592	6.021	7.906	8.017	8.981	9.865	19.643
	TOT OBS	930	845	930	900	930	898	930	930	900	930	900	930	10953
21-23	MEAN	22.8	24.3	32.5	43.4	54.6	62.4	68.9	67.0	59.6	48.9	39.8	30.1	46.3
	SD	9.730	10.745	9.973	8.608	8.092	6.947	5.199	5.918	7.879	8.138	9.014	10.224	17.953
	TOT OBS	930	842	930	900	930	857	930	930	900	930	900	930	10950
ALL	MEAN	23.4	25.1	33.7	45.7	57.4	65.5	72.0	69.8	62.5	51.0	41.0	30.6	48.3
	SD	10.131	11.427	11.384	10.953	10.672	9.250	7.958	7.864	9.267	9.205	9.590	10.275	19.399
	TOT OBS	7434	6755	7436	7200	7440	7193	7440	7435	7199	7439	7200	7440	87611

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

WEI-BULB TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02	MEAN	21.4	21.8	20.4	18.2	47.9	55.9	62.2	61.8	55.4	44.9	36.9	27.9	42.1
	SD	9.688	10.968	9.531	7.800	8.143	6.955	5.724	6.516	8.283	8.056	8.511	9.999	16.621
	TOT OBS	895	843	979	899	929	900	930	930	853	924	900	927	10869
03-05	MEAN	20.9	21.2	27.6	37.2	46.9	55.0	61.3	60.7	54.5	44.3	36.5	27.5	41.3
	SD	10.159	11.144	9.780	7.944	8.347	7.227	6.069	6.807	8.465	8.263	8.668	10.011	16.595
	TOT OBS	894	843	908	900	930	900	930	930	882	924	900	927	10668
06-08	MEAN	20.6	21.0	27.8	38.4	49.0	57.4	63.5	62.4	55.4	44.6	36.3	27.3	42.2
	SD	10.336	11.263	10.024	8.087	8.254	6.795	5.563	6.475	8.178	8.327	8.756	10.030	17.302
	TOT OBS	895	843	910	900	930	900	930	929	852	923	900	927	10869
09-11	MEAN	21.5	23.7	31.4	42.3	53.0	60.4	66.2	65.4	59.1	48.3	38.6	28.6	45.1
	SD	9.788	10.577	9.677	8.872	8.454	6.869	5.479	5.676	7.200	7.561	8.767	9.654	17.530
	TOT OBS	904	842	912	900	930	900	930	927	880	926	877	923	10671
12-14	MEAN	23.8	26.1	33.9	44.6	55.0	62.0	67.0	66.5	60.5	50.0	40.0	30.1	46.8
	SD	9.008	10.069	9.642	9.168	8.504	6.902	5.462	5.797	7.316	7.545	8.719	9.198	17.201
	TOT OBS	909	846	910	900	930	896	930	924	882	927	900	921	10884
15-17	MEAN	23.7	26.2	34.0	44.8	55.1	62.0	67.0	66.6	60.4	49.6	39.6	29.9	46.7
	SD	8.955	9.982	9.369	8.896	8.266	6.558	5.320	5.575	7.208	7.416	8.628	9.177	17.151
	TOT OBS	907	846	909	900	930	900	930	930	882	930	900	922	10887
18-20	MEAN	22.1	24.1	31.5	42.1	52.8	60.0	65.3	64.7	58.1	47.1	38.0	28.7	44.7
	SD	9.261	10.092	9.167	8.374	8.095	6.518	5.214	5.729	7.412	7.610	8.508	9.391	17.076
	TOT OBS	927	843	904	900	930	898	930	930	881	924	899	924	10680
21-23	MEAN	21.6	22.7	29.9	39.6	49.7	57.3	63.3	62.8	56.4	45.7	37.2	28.2	43.0
	SD	9.307	10.499	9.242	7.795	7.831	6.592	5.396	6.255	7.760	7.813	8.609	9.713	16.679
	TOT OBS	902	843	904	900	930	897	930	930	882	928	899	925	10875
ALL HOURS	MEAN	22.0	23.4	30.0	40.4	51.2	58.7	64.5	63.9	57.5	46.3	37.9	28.5	44.0
	SD	9.630	10.751	9.652	8.826	8.765	7.259	5.911	6.466	8.052	8.112	8.739	9.696	17.139
	TOT OBS	7213	6749	7276	7199	7439	7193	7440	7435	7055	7413	7195	7396	87003

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-87

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02	MEAN	16.9	17.0	24.0	33.8	44.0	52.9	59.5	59.8	53.2	41.8	33.2	23.7	38.6
	SD	10.828	12.075	10.662	9.089	9.759	7.908	6.590	7.226	8.976	8.791	9.516	11.278	17.828
	TOT OBS	895	843	909	899	929	900	930	930	893	924	900	927	10869
03-05	MEAN	16.7	17.1	23.5	33.3	43.6	52.5	59.2	59.0	52.6	41.5	32.8	23.4	38.1
	SD	11.096	12.272	10.760	9.152	9.615	6.015	6.756	7.418	9.014	8.662	9.634	11.193	17.809
	TOT OBS	894	843	908	900	930	900	930	930	882	924	900	927	10868
06-08	MEAN	16.5	17.0	23.8	34.0	45.0	54.0	60.7	60.1	53.1	41.7	32.7	23.3	38.7
	SD	11.229	12.497	11.007	9.352	9.685	7.875	6.473	7.260	8.832	8.960	9.635	11.178	18.281
	TOT OBS	895	842	910	900	930	900	930	929	882	923	900	927	10869
09-11	MEAN	17.4	18.6	25.5	35.5	46.4	54.6	60.8	60.9	54.6	43.3	33.8	24.0	39.8
	SD	10.934	11.881	10.804	10.081	10.595	8.724	7.399	7.303	8.701	8.969	9.845	10.913	18.182
	TOT OBS	904	842	912	900	930	900	930	927	880	926	897	923	10871
12-14	MEAN	18.3	20.0	26.4	36.3	46.8	54.8	60.1	60.6	54.6	43.2	34.2	24.8	40.2
	SD	10.450	11.656	10.607	10.500	11.110	9.073	7.829	7.942	9.201	9.385	9.797	10.641	17.850
	TOT OBS	929	846	916	900	930	898	930	929	882	929	900	921	10884
15-17	MEAN	18.1	20.0	26.4	36.2	46.7	54.5	59.7	60.6	54.3	43.0	34.1	24.7	40.0
	SD	10.531	11.657	10.679	10.425	10.950	8.905	7.897	7.576	9.222	9.240	9.867	10.698	17.759
	TOT OBS	907	846	909	900	930	900	930	930	883	930	900	922	10887
18-20	MEAN	17.1	19.9	25.4	35.2	45.7	53.6	59.1	60.2	54.0	42.7	33.7	24.1	39.3
	SD	10.890	11.332	10.725	9.923	10.585	8.709	7.603	7.327	8.642	8.873	9.757	10.833	17.800
	TOT OBS	907	843	909	900	930	898	930	930	881	929	899	924	10880
21-23	MEAN	16.8	18.1	25.4	34.5	44.8	53.3	59.6	60.0	53.7	42.2	33.2	23.8	38.9
	SD	10.677	11.875	10.751	9.240	9.811	7.971	6.838	7.389	8.652	8.801	9.816	11.094	17.824
	TOT OBS	902	843	909	900	930	897	930	930	882	928	899	925	10875
ALL HOURS	MEAN	17.2	18.4	25.0	34.9	45.4	53.8	59.8	60.2	53.8	42.4	33.5	24.0	39.2
	SD	10.843	11.993	10.824	9.786	10.337	8.443	7.214	7.452	8.931	9.008	9.744	10.987	17.930
	TOT OBS	7213	6749	7276	7199	7439	7193	7440	7435	7055	7413	7195	7396	87003

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 705267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: JAN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	99.7	96.6	92.4	72.8	47.4	17.5	78.3	895
	03-05	100.0	100.0	100.0	99.7	97.5	94.3	80.0	50.9	20.6	79.8	894
	06-08	100.0	100.0	100.0	100.0	98.1	94.6	81.5	53.5	21.5	80.3	895
	09-11	100.0	100.0	100.0	99.9	99.1	91.2	73.2	45.4	17.7	78.1	904
	12-14	100.0	100.0	100.0	99.9	96.4	83.9	60.4	32.6	10.0	74.0	905
	15-17	100.0	100.0	100.0	99.4	95.0	83.5	58.7	33.3	10.5	73.5	907
	18-20	100.0	100.0	100.0	99.6	96.6	90.7	67.9	40.7	15.2	76.5	907
	21-23	100.0	100.0	100.0	99.6	97.1	89.8	72.4	42.5	17.7	77.6	902
	TOTALS	100.0	100.0	100.0	99.7	97.1	90.0	70.9	43.3	16.3	77.3	7213

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 78-87  
MONTH: FEB

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	100.0	99.8	94.9	77.5	47.8	17.6	79.4	842
	03-05	100.0	100.0	100.0	100.0	99.5	96.8	79.8	49.7	17.6	80.1	842
	06-08	100.0	100.0	100.0	99.9	99.3	95.1	81.7	52.3	17.6	80.3	842
	09-11	100.0	100.0	100.0	99.5	96.7	88.2	68.5	39.3	14.0	76.4	842
	12-14	100.0	100.0	99.9	98.0	91.7	76.5	50.5	27.1	8.5	70.9	846
	15-17	100.0	100.0	99.6	98.3	91.4	75.2	50.2	26.2	11.1	70.7	846
	18-20	100.0	100.0	100.0	99.5	97.2	87.1	63.3	31.7	15.2	74.9	842
	21-23	100.0	100.0	100.0	100.0	99.5	92.2	71.1	42.7	13.5	77.5	842
	TOTALS	100.0	100.0	99.9	99.4	96.9	88.3	67.8	39.6	14.1	76.3	6745

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 7P-87  
MONTH: MAR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS
MAR	00-02	100.0	100.0	100.0	99.6	97.9	88.9	69.0	45.8	18.6	77.6	904
	03-05	100.0	100.0	100.0	99.6	97.7	91.6	75.1	51.9	20.6	79.2	906
	06-08	100.0	100.0	100.0	99.1	96.4	90.9	75.2	53.7	24.1	79.4	910
	09-11	100.0	100.0	99.8	96.7	88.5	72.4	51.2	32.5	13.5	70.9	912
	12-14	100.0	100.0	98.5	89.8	75.9	56.3	33.6	20.9	9.0	64.1	910
	15-17	100.0	100.0	97.2	91.1	73.7	52.7	33.7	19.8	9.0	63.5	904
	18-20	100.0	100.0	99.8	97.4	87.6	71.1	48.3	28.4	11.1	70.1	904
	21-23	100.0	100.0	100.0	100.0	96.1	84.2	62.0	38.7	16.1	75.2	904
TOTALS		100.0	100.0	99.4	96.6	89.2	76.0	56.0	36.4	15.3	72.5	7274



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 72-87  
MONTH: APR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUP	OBS
APR	00-01	100.0	100.0	100.0	99.7	95.8	83.5	64.1	43.5	18.2	76.0	899	
	03-05	100.0	100.0	100.0	99.3	96.6	88.4	69.2	50.0	22.1	78.2	901	
	06-08	100.0	100.0	100.0	98.7	93.4	82.1	64.9	43.2	19.8	76.0	900	
	09-11	100.0	100.0	96.7	89.7	76.2	57.1	36.6	23.0	11.2	64.9	901	
	12-14	100.0	99.8	94.1	80.9	61.3	42.7	27.6	15.8	6.0	58.5	901	
	15-17	100.0	99.6	93.0	77.8	57.8	40.7	27.8	13.6	6.6	57.4	901	
	18-20	100.0	99.9	97.4	90.2	77.2	56.6	36.2	20.6	8.2	64.5	901	
	21-23	100.0	100.0	99.9	97.4	91.4	75.7	52.8	32.8	12.2	72.1	901	
	TOTALS	100.0	99.9	97.9	91.7	81.2	65.8	47.4	30.3	13.0	68.5	7194	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 7A-87  
MONTH: MAY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	98.9	95.3	83.6	64.7	39.1	19.4	76.2	925
	03-05	100.0	100.0	100.0	99.6	97.4	90.2	76.5	50.8	26.1	79.8	931
	06-08	100.0	100.0	99.9	98.7	93.8	82.2	63.3	38.2	17.7	75.3	931
	09-11	100.0	100.0	98.3	88.9	71.3	53.9	31.3	18.1	6.8	62.5	931
	12-14	100.0	99.7	93.5	74.1	57.1	37.3	22.9	12.9	5.3	55.8	931
	15-17	100.0	99.7	93.2	70.5	55.2	37.5	20.9	11.8	5.7	55.1	931
	18-20	100.0	99.9	97.4	84.8	68.7	49.1	29.7	15.3	7.2	61.0	931
	21-23	100.0	100.0	99.9	97.7	89.7	72.6	50.4	30.4	13.0	71.0	931
	TOTALS	100.0	99.9	97.8	89.2	78.6	63.3	45.0	27.1	12.6	67.1	7435

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 7R-87  
MONTH: JUN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	99.9	99.0	92.7	74.6	47.1	17.0	79.1	901
	03-05	100.0	100.0	100.0	100.0	99.9	94.6	83.2	60.0	23.0	82.2	901
	06-08	100.0	100.0	100.0	99.9	97.9	85.8	64.6	39.8	12.7	76.1	901
	09-11	100.0	100.0	99.8	94.6	76.3	51.2	29.3	15.8	4.6	63.1	901
	12-14	100.0	100.0	98.1	83.3	59.1	36.6	17.3	8.9	2.4	56.2	898
	15-17	100.0	100.0	96.3	78.8	55.2	33.8	18.2	8.9	2.3	54.9	901
	18-20	100.0	100.0	98.6	88.8	69.7	48.4	29.3	13.8	4.8	61.0	891
	21-23	100.0	100.0	100.0	99.7	95.3	78.3	56.7	32.2	10.1	73.1	897
	TOTALS	100.0	100.0	99.1	93.1	81.6	65.2	46.7	28.3	9.6	68.2	7193

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: JUL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
JUL	00-02	100.0	100.0	100.0	100.0	99.8	96.2	81.9	46.6	11.8	79.6	931	
	03-05	100.0	100.0	100.0	100.0	99.6	98.6	90.6	63.9	22.0	83.1	931	
	06-08	100.0	100.0	100.0	100.0	98.9	92.6	72.6	43.8	11.0	77.7	931	
	09-11	100.0	100.0	99.8	95.5	80.5	53.2	27.8	12.9	2.4	62.6	931	
	12-14	100.0	100.0	98.4	83.5	52.9	29.7	15.7	6.2	1.5	54.6	931	
	15-17	100.0	100.0	97.3	77.7	48.8	27.1	14.4	5.9	1.4	52.9	931	
	18-20	100.0	100.0	98.9	90.2	68.0	43.2	25.2	9.5	1.8	59.3	931	
	21-23	100.0	100.0	100.0	99.9	97.3	83.4	57.4	31.2	6.5	73.1	931	
	TOTALS	100.0	100.0	99.3	93.3	80.7	65.5	48.2	27.8	7.3	67.9	7441	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: AUG

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	100.0	99.2	92.5	66.2	16.3	83.6	930
	03-05	100.0	100.0	100.0	100.0	99.8	98.6	95.6	77.4	23.8	85.7	930
	06-08	100.0	100.0	100.0	100.0	99.8	98.3	86.7	60.4	17.2	82.3	929
	09-11	100.0	100.0	99.9	98.9	90.9	68.0	41.3	19.0	3.9	67.7	927
	12-14	100.0	100.0	99.7	93.4	70.7	44.9	22.2	9.8	2.3	60.0	929
	15-17	100.0	100.0	99.8	93.0	69.9	40.3	22.2	10.4	2.7	59.3	930
	18-20	100.0	100.0	100.0	98.6	89.1	68.2	41.4	19.0	3.8	67.6	930
	21-23	100.0	100.0	100.0	100.0	99.9	94.8	76.3	45.7	9.8	78.4	930
	TOTALS	100.0	100.0	99.9	98.0	90.0	76.5	59.8	38.6	9.8	73.1	7431

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 75287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: SEP

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	(RELATIVE HUMIDITY)	(NUM OBS)
SEP	00-02	100.0	100.0	100.0	100.0	100.0	98.4	89.9	65.7	20.4	83.2	883
	03-05	100.0	100.0	100.0	100.0	100.0	98.5	93.3	72.6	29.4	85.3	882
	06-08	100.0	100.0	99.9	99.7	99.5	98.1	88.4	62.5	21.7	82.9	882
	09-11	100.0	100.0	99.9	99.3	94.3	71.6	44.3	24.4	7.2	69.9	881
	12-14	100.0	100.0	99.9	96.1	74.9	46.1	27.3	14.5	4.9	62.3	882
	15-17	100.0	100.0	100.0	94.3	72.4	47.2	28.8	14.3	4.1	61.8	882
	18-20	100.0	100.0	100.0	99.4	95.1	79.9	55.1	28.7	6.7	72.1	881
	21-23	100.0	100.0	100.0	100.0	99.9	96.9	82.9	51.4	14.5	80.4	882
	TOTALS	100.0	100.0	100.0	98.6	92.0	79.6	63.8	41.8	13.6	74.7	7051

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: OCT

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	(RELATIVE HUMIDITY)	(NUM OBS)
OCT	00-02	100.0	100.0	100.0	100.0	98.9	94.9	80.6	57.2	17.6	80.2	924
	03-05	100.0	100.0	100.0	100.0	99.6	96.6	87.2	59.2	19.7	82.0	924
	06-08	100.0	100.0	100.0	100.0	99.8	97.7	83.9	56.7	19.3	81.5	923
	09-11	100.0	100.0	100.0	99.5	91.9	73.2	44.8	22.5	7.0	69.8	924
	12-14	100.0	100.0	99.2	93.4	76.3	48.4	26.6	12.6	4.4	61.8	925
	15-17	100.0	100.0	98.8	93.9	78.1	53.1	32.0	15.7	5.6	63.3	930
	18-20	100.0	100.0	100.0	99.2	97.1	81.8	57.4	28.5	10.2	73.4	925
	21-23	100.0	100.0	100.0	99.9	99.1	90.7	75.0	42.7	14.7	78.1	928
TOTALS		100.0	100.0	99.8	98.2	92.6	79.6	60.7	36.3	12.3	73.8	7413

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: NOV

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	99.9	99.0	93.6	73.2	46.2	19.2	78.8	900
	03-05	100.0	100.0	100.0	100.0	99.6	93.9	73.3	48.0	18.8	79.0	900
	06-09	100.0	100.0	100.0	100.0	99.6	94.3	76.6	48.6	19.6	79.3	900
	09-11	100.0	100.0	99.9	99.2	95.3	80.2	56.4	34.3	13.5	73.6	897
	12-14	100.0	100.0	99.2	96.7	87.8	69.3	45.8	25.6	12.4	68.9	900
	15-17	100.0	100.0	99.9	98.1	91.1	71.2	44.8	28.4	13.8	70.5	900
	18-20	100.0	100.0	100.0	99.6	98.7	88.0	62.3	35.4	17.0	75.9	899
	21-23	100.0	100.0	100.0	99.7	99.0	91.9	68.5	43.0	18.0	77.8	999
TOTALS		100.0	100.0	99.9	99.2	96.3	85.3	62.0	38.7	16.5	75.5	7195



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-86  
MONTH: DEC

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	100.0	97.8	92.8	73.6	47.2	18.2	78.7	927
	03-05	100.0	100.0	100.0	100.0	98.9	94.8	76.4	48.8	19.8	79.3	927
	06-08	100.0	100.0	100.0	99.7	99.1	95.5	76.5	49.4	20.3	79.6	927
	09-11	100.0	100.0	100.0	99.7	97.4	90.5	66.1	40.2	16.6	76.7	923
	12-14	100.0	100.0	100.0	99.0	94.2	80.7	54.8	32.9	14.9	73.2	921
	15-17	100.0	100.0	100.0	99.1	94.5	82.8	59.7	36.1	13.4	74.1	922
	18-20	100.0	100.0	100.0	100.0	97.0	90.0	68.7	41.6	14.7	76.9	924
	21-23	100.0	100.0	100.0	100.0	97.2	92.2	70.9	45.3	17.5	77.9	925
TOTALS		100.0	100.0	100.0	99.7	97.0	89.9	68.3	42.7	16.9	77.1	7394

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAG

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-87  
MONTH: ALL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		1L%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS	
JAN	ALL	100.0	100.0	100.0	99.7	97.1	90.0	70.9	43.7	14.7	77.3	7212	
FEB		100.0	100.0	99.9	99.4	96.9	88.3	67.8	39.6	14.1	76.3	6745	
MAR		100.0	100.0	99.4	96.6	89.2	76.0	56.0	36.4	15.7	72.5	7271	
APR		100.0	99.9	97.9	91.7	81.2	65.8	47.4	30.7	13.0	69.5	7195	
MAY		100.0	99.9	97.8	89.2	78.6	63.3	45.0	27.1	12.0	67.1	7435	
JUN		100.0	100.0	99.1	93.1	81.6	65.2	46.7	29.7	11.8	64.2	7193	
JUL		100.0	100.0	99.3	92.3	80.7	65.5	49.2	27.8	11.7	67.9	7441	
AUG		100.0	100.0	99.9	98.0	90.0	76.5	59.8	38.6	15.5	73.1	7431	
SEP		100.0	100.0	100.0	98.6	92.0	79.6	63.8	41.8	17.8	74.7	7051	
OCT		100.0	100.0	99.8	98.7	92.6	79.6	60.7	38.7	17.7	73.8	7412	
NOV		100.0	100.0	99.9	99.2	96.3	85.7	62.0	38.7	16.5	75.5	7191	
DEC		100.0	100.0	100.0	99.7	97.0	89.5	78.7	62.7	14.0	77.1	7396	
TOTALS		100.0	100.0	99.8	98.6	89.4	77.1	59.1	35.9	13.1	72.7	77003	

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NIAGARA FALLS IAP MY REVISED UNIFORM SUMMARY OF SURFACE 4/4

WEATHER OBSERVATIONS PARTS A-F(U) AIR FORCE

ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

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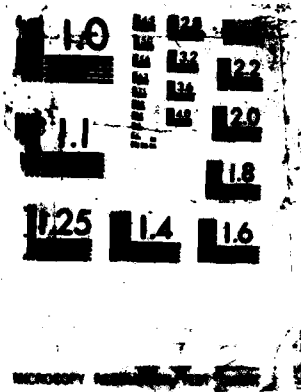
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**PRESSURE SUMMARIES**

**STATION PRESSURE SUMMARIES**

**DATA DERIVED FROM HOURLY OBSERVATIONS.**

**SUMMARIZED BY THE STANDARD 3-FOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).**

**PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.**

**SEA LEVEL PRESSURE SUMMARIES**

**DATA DERIVED FROM HOURLY OBSERVATIONS.**

**SUMMARIZED BY THE STANDARD 3-FOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).**

**PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 725267 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
01	MEAN	29.341	29.422	29.357	29.307	29.325	29.320	29.353	29.386	29.416	29.421	29.409	29.381	29.369
	SD	.301	.257	.259	.233	.169	.160	.130	.128	.168	.226	.247	.272	.223
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
04	MEAN	29.340	29.415	29.345	29.300	29.321	29.316	29.348	29.381	29.411	29.419	29.408	29.386	29.366
	SD	.309	.261	.266	.239	.174	.166	.135	.131	.173	.232	.244	.273	.227
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
07	MEAN	29.346	29.430	29.361	29.323	29.347	29.342	29.371	29.404	29.434	29.434	29.419	29.393	29.383
	SD	.315	.266	.274	.248	.178	.171	.136	.136	.176	.239	.246	.273	.231
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	29.370	29.447	29.375	29.329	29.353	29.347	29.376	29.414	29.443	29.449	29.435	29.414	29.396
	SD	.317	.271	.282	.253	.180	.170	.137	.132	.180	.244	.247	.273	.235
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	29.338	29.425	29.353	29.310	29.336	29.331	29.362	29.401	29.424	29.421	29.403	29.378	29.373
	SD	.311	.269	.280	.245	.176	.165	.133	.126	.173	.242	.246	.270	.230
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	29.336	29.410	29.332	29.291	29.314	29.313	29.342	29.378	29.400	29.406	29.394	29.374	29.357
	SD	.302	.261	.267	.230	.172	.158	.132	.124	.167	.233	.244	.265	.223
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	29.357	29.428	29.350	29.301	29.315	29.312	29.337	29.378	29.405	29.424	29.408	29.392	29.367
	SD	.297	.254	.257	.220	.167	.152	.126	.122	.166	.227	.245	.265	.219
	TOT OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651
22	MEAN	29.357	29.430	29.360	29.314	29.330	29.328	29.355	29.393	29.414	29.434	29.408	29.391	29.376
	SD	.296	.254	.257	.223	.168	.152	.122	.123	.167	.225	.247	.270	.220
	TOT OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651
ALL	MEAN	29.348	29.426	29.354	29.309	29.330	29.326	29.355	29.392	29.419	29.426	29.411	29.388	29.373
	SD	.306	.262	.268	.236	.174	.162	.132	.128	.172	.234	.246	.270	.226
HOURS	TOT OBS	2480	2256	2480	2400	2480	2398	2480	2480	2400	2480	2400	2480	29214

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN MBS FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 725287 STATION NAME: NIAGARA FALLS IAP NY

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
01	MEAN	1016.2	1018.9	1016.4	1014.4	1014.7	1014.4	1015.4	1016.5	1017.7	1018.2	1018.1	1017.4	1016.5
	SD	10.558	9.091	9.124	8.111	5.907	5.554	4.482	4.443	5.948	7.933	8.624	9.514	7.826
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
04	MEAN	1016.2	1018.7	1016.0	1014.2	1014.6	1014.2	1015.2	1016.4	1017.6	1018.1	1018.0	1017.5	1016.4
	SD	10.843	9.235	9.356	8.316	6.091	5.766	4.632	4.567	6.094	8.137	8.556	9.576	7.983
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
07	MEAN	1016.4	1019.3	1016.7	1015.0	1015.6	1015.1	1016.0	1017.2	1018.4	1018.7	1018.5	1017.8	1017.0
	SD	11.066	9.418	9.656	8.614	6.219	5.917	4.710	4.733	6.236	8.388	8.626	9.603	8.129
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
10	MEAN	1017.2	1019.8	1017.1	1015.2	1015.7	1015.3	1016.2	1017.5	1018.7	1019.2	1019.0	1018.5	1017.4
	SD	11.114	9.569	9.909	8.764	6.286	5.892	4.750	4.609	6.340	8.547	8.654	9.605	8.230
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	1016.1	1019.0	1016.3	1014.5	1015.1	1014.8	1015.7	1017.0	1018.0	1018.2	1017.8	1017.2	1016.6
	SD	10.891	9.478	9.813	8.506	6.130	5.707	4.613	4.374	6.098	9.474	8.605	9.469	8.062
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	1016.0	1018.5	1015.6	1013.9	1014.4	1014.1	1015.0	1016.3	1017.2	1017.7	1017.5	1017.1	1016.1
	SD	10.545	9.197	9.373	7.989	5.983	5.462	4.557	4.301	5.859	8.148	8.531	9.305	7.827
	TOT OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
19	MEAN	1016.8	1019.2	1016.3	1014.2	1014.4	1014.1	1014.8	1016.3	1017.4	1018.4	1018.1	1017.8	1016.5
	SD	10.929	8.987	9.037	7.637	5.826	5.258	4.330	4.247	5.827	7.983	8.578	9.311	7.727
	TOT OBS	310	282	310	300	310	299	310	310	300	310	300	305	3650
22	MEAN	1016.8	1019.3	1016.6	1014.7	1014.9	1014.6	1015.5	1016.8	1017.9	1018.7	1018.1	1017.7	1016.8
	SD	10.406	8.985	9.035	7.735	5.850	5.292	4.192	4.285	5.853	7.891	8.671	9.468	7.715
	TOT OBS	310	281	310	300	310	299	310	310	300	310	300	310	3650
ALL	MEAN	1016.4	1019.1	1016.4	1014.5	1014.9	1014.6	1015.5	1016.8	1017.9	1018.4	1018.1	1017.6	1016.7
	SD	10.730	9.241	9.414	8.216	6.048	5.620	4.551	4.463	6.045	8.190	8.602	9.478	7.948
HOURS	TOT OBS	2479	2252	2480	2400	2400	2398	2480	2480	2400	2480	2400	2479	29208



END

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